

(NASA-CR-135239-Vol-1-Sect-2) ACOUSTIC
TESTS OF DUCT-BURNING TURBOFAN JET NOISE
SIMULATION: COMPREHENSIVE DATA REPORT.
VOLUME 1, SECTION 2: FULL SIZE DATA Final
Report (General Electric Co.) 832 p

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ACOUSTIC TESTS of DUCT-BURNING TURBOFAN JET NOISE SIMULATION

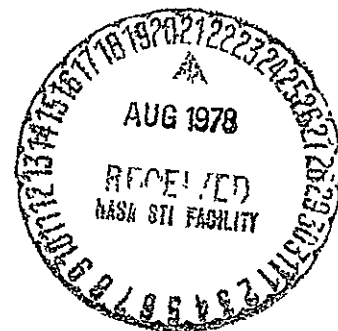
COMPREHENSIVE DATA REPORT

VOLUME I

SECTION II FULL SIZE DATA

PH HECK
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General Electric



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LEWIS RESEARCH CENTER
21000 BROOKPARK ROAD
CLEVELAND, OHIO 44135

NASA CONTRACT: NAS3-18008



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COMPREHENSIVE DATA REPORT

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**SECTION II
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Volume II

Part 1.	"Concept Screening and Model Design for Acoustic Tests of Duct-Burning Turbofan Jet Noise Simulation," J F. Brausch and P S. Staid, General Electric AEG TM-74-270, June 1974.
Part 2.	"Hot/Cold Flow Model Tests to Determine Static Performance of Duct Noise Suppression Nozzles," R A. Kirschbaum and R G. Brasket, Fluidyne Engineering Corporation Report 1008, July 1974.

3.0 ACOUSTIC DATA

c. 96.9 m (320 ft) Radial - Scaled

d. 731.5 m (2400 ft) Sideline - Scaled

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(Continued From Volume I - Section 1)

MODEL 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA																	PROC. DATE - MONTH 92 DAY 0 HR: 0.8				DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																										
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	190,	200,	210,	220,	230,	240,	250,	260,	270,	280,	PHL
REV, ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)	(3.67)	(3.85)	(4.02)	(4.20)	(4.38)	(4.56)	(4.74)	(4.92)	(5.10)
NO EGA,		50	74.4	73.2	76.6	75.9	77.2	77.5	78.8	80.3	82.8	84.1	83.3	89.0	92.0	91.9												143.3
RDG, NO, 0,		63	74.3	76.1	77.6	75.8	77.0	78.1	80.2	81.0	82.9	84.2	85.7	89.1	92.3	92.8												144.4
RADIAL 320, FT,		80	75.6	76.9	78.2	76.9	78.4	79.0	81.1	82.4	83.7	83.7	86.4	89.6	91.1	93.3												144.1
(98, M)		100	76.7	80.2	78.1	78.5	79.3	79.3	80.4	83.4	84.0	86.3	88.2	89.8	90.0	93.0												144.4
VEHICLE JENOTS		125	77.6	80.1	79.0	77.9	79.0	80.4	81.9	82.3	84.1	86.1	86.7	88.4	89.1	87.9												143.3
CONFIG JE=059		160	77.0	78.2	78.6	78.5	79.2	80.2	82.4	82.4	83.9	85.9	87.3	89.7	88.2	85.2												143.3
LOC EVENDALE		200	76.3	79.0	78.7	79.0	79.8	80.2	81.5	82.2	83.1	85.0	86.8	88.0	85.4	82.2												142.3
DATE 05-07-75		250	78.3	77.8	78.0	79.9	79.7	80.1	81.0	82.1	82.7	84.1	85.7	86.8	83.6	81.0												141.6
RUN DBTF=MODEL 1		315	77.5	78.5	79.2	78.5	78.3	80.2	81.2	82.4	83.3	84.3	85.5	86.7	82.9	80.0												141.6
TAPE X10010		400	75.8	77.9	78.8	78.7	79.6	79.6	81.0	81.6	83.1	84.6	85.4	86.1	82.8	80.9												141.4
BAR 29.3 HG		500	75.0	77.7	78.3	79.1	78.9	80.4	81.4	83.0	83.3	85.4	85.6	86.1	82.8	81.0												141.8
(99043, N/M2)		630	75.3	78.8	79.1	78.9	79.3	80.6	81.8	83.5	84.6	86.3	87.0	87.1	84.0	82.6												142.8
IAMB 64, DEG F		800	75.1	79.4	80.1	80.7	80.7	81.8	82.2	83.5	84.6	86.3	86.7	86.8	84.7	84.2												143.1
(291, DEG K)		1000	75.2	79.3	80.8	81.2	82.2	83.3	83.2	84.7	85.0	86.6	86.6	86.5	84.4	84.9												143.7
TWET 53, DEG F		1250	75.2	80.4	81.6	81.9	82.9	83.6	82.9	84.7	85.3	86.6	86.8	86.2	84.1	84.0												143.9
(285, DEG K)		1600	73.4	79.7	80.5	81.3	83.2	83.1	82.9	84.0	84.0	85.8	86.0	84.9	82.6	81.8												143.3
HACT 0, GH/M3		2000	71.2	77.5	78.8	79.3	81.3	81.5	81.6	82.4	83.7	84.1	84.0	82.8	81.0	80.1												141.9
(KG/M3)		2500	67.9	75.2	76.2	77.2	78.0	78.7	79.3	80.8	81.2	81.9	81.8	80.3	79.1	77.2												139.9
FREQ, SHIFT		3150	64.9	72.9	73.9	75.0	75.5	76.2	76.9	78.6	79.7	77.6	77.5	77.5	76.4	74.1												137.7
JET 9		4000	60.8	68.4	69.5	70.4	71.0	73.8	73.3	75.5	74.9	76.6	74.8	73.9	72.2	70.1												135.1
DIAMETER RATIO		5000	58.4	65.3	66.8	67.6	67.7	69.2	70.4	71.6	72.0	73.0	70.2	70.1	69.1	67.1												131.9
DE/DH 8.00		6300	56.0	62.5	63.7	63.8	63.9	67.0	68.2	68.4	67.9	70.6	67.1	67.5	67.4	64.7												130.2
OVERALL CALCULATED		8000	56.2	58.9	60.0	60.7	60.8	65.6	68.0	67.9	65.3	70.5	65.0	67.5	69.4	65.2												131.3
PNDB		10000	57.3	57.4	56.7	57.4	59.9	66.8	69.1	68.5	65.2	72.7	66.5	69.2	69.2	67.0												135.0
			88.2	91.1	91.7	92.9	92.7	93.5	94.3	95.5	96.4	97.9	98.7	100.3	99.9	100.2												135.7
			95.6	100.4	101.3	101.8	102.9	103.8	104.3	105.5	106.2	107.4	107.3	107.7	105.9	104.8												157.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, P, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
REV, ALPHA 12/73		FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)
NO EGA		50	50.6	51.6	56.5	57.0	58.9	59.7	61.2	62.5	64.6	65.1	63.2	67.4	68.1	64.6		
SIDELINE 2400, FT;		63	50.4	54.4	57.5	56.8	58.7	60.3	62.5	63.1	64.7	65.2	65.6	69.7	68.4	65.4		
(731.52 M)		80	51.5	55.2	58.1	57.9	60.2	61.1	63.4	64.5	65.4	64.7	66.3	67.8	67.1	65.7		
NFA 0, RPM		100	52.5	58.3	57.9	59.4	60.9	61.3	62.6	65.4	65.7	67.1	68.0	67.9	65.8	65.2		
NFK 0, RAD/SEC		125	53.2	58.2	58.7	58.7	60.6	62.4	64.0	64.3	65.7	66.9	66.4	66.4	64.8	59.9		
NFK 0, RPM		160	52.4	56.0	58.1	59.2	60.7	62.0	64.4	64.3	65.4	66.6	66.9	67.6	63.6	56.8		
NFD 0, RAD/SEC		200	51.5	56.6	58.0	59.5	61.1	62.0	63.4	64.0	64.4	65.5	66.2	65.6	60.6	53.5		
NFD 0, RPM		250	53.2	55.3	57.2	60.3	60.9	61.7	62.8	63.7	63.9	64.5	64.8	64.2	58.5	51.6		
AIRFLOW RATIO		315	52.0	55.7	58.1	58.6	59.3	61.6	62.7	63.8	64.2	64.5	64.4	63.8	57.3	50.1		
WF/NH 8.00		400	49.7	54.6	57.3	58.6	60.3	60.7	62.3	62.8	63.7	64.5	64.0	62.8	56.7	50.2		
		500	48.2	53.9	56.4	58.6	59.3	61.2	62.4	63.8	63.7	64.9	63.7	62.3	56.1	49.4		
		630	47.6	54.3	56.8	57.9	59.2	61.0	62.4	64.0	64.5	65.3	64.6	62.7	56.4	49.7		
		800	46.3	54.1	57.0	59.1	60.1	61.7	62.3	63.4	64.0	64.7	63.6	61.5	55.9	49.5		
VEHICLE JENOTS		1000	45.1	52.9	56.8	58.9	60.9	62.6	62.7	63.9	63.7	64.3	62.7	60.1	54.3	48.2		
CONFIG JE=059		1250	43.4	52.7	56.6	58.7	60.7	62.0	61.6	63.2	63.1	63.3	61.8	58.5	52.3	44.8		
LOC EVENDALE		1600	39.2	50.2	54.0	56.9	59.8	60.5	60.5	61.3	60.6	61.2	59.5	55.4	48.4	39.0		
DATE 05-07-75		2000	34.1	45.8	50.4	53.1	56.4	57.5	57.8	58.3	58.8	57.9	55.6	51.1	43.9	33.0		
RUN DBTF=MODEL 1		2500	26.6	40.3	45.2	48.7	51.1	52.6	53.5	54.8	54.3	53.4	50.9	45.4	37.8	23.8		
TAPE X10010		3150	16.9	32.8	38.6	42.8	45.2	47.0	48.0	49.4	48.4	47.5	42.4	37.5	28.3	10.6		
FAN TIP SPEED		4000	24.7	20.7	27.9	32.7	35.7	39.8	40.3	41.5	39.6	38.9	33.2	26.2	14.1			
FT/SEC		5000		13.2	21.6	26.7	29.5	32.5	34.2	34.8	33.7	32.1	25.0	17.9	5.4			
		6300			7.7	13.4	17.1	22.1	24.0	23.5	21.1	20.3	11.1	2.3				
		8000					0.8	8.2	11.5	10.5	5.4	5.7						
		10000																
OVERALL CALCULATED			62.5	67.2	69.4	70.7	72.4	73.6	74.8	75.9	76.5	77.2	77.0	77.4	75.1	72.0		
PNDB			64.0	70.9	74.4	76.7	79.0	80.2	80.9	81.9	81.9	82.3	81.0	79.1	73.7	68.3		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY -- JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																REL, HUM, DAY -- JENOTS			PWL
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	0,	0,	
SPL INPUT AT STD		FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,	(0,		
REV, ALPHA 12/73		50	75.4	74.7	78.3	77.2	78.9	78.7	80.3	81.8	83.1	85.6	84.8	90.3	92.7	92.9					144.3
NO EGA		63	76.1	77.6	78.6	77.8	78.7	79.6	81.7	82.2	84.2	85.2	86.5	92.4	92.8	92.8					145.1
RDG, NO, 01		80	76.6	78.4	79.2	78.2	79.7	79.7	82.3	83.6	84.9	84.7	86.9	90.6	91.6	92.8					144.7
RADIAL 320, FT,		100	78.5	80.7	79.4	80.0	80.3	80.3	81.9	84.1	85.0	87.8	89.2	90.8	90.7	92.2					145.2
(98, M)		125	78.6	81.6	80.0	79.4	80.3	81.2	83.7	84.3	85.4	87.3	88.0	89.4	89.1	87.4					144.3
VEHICLE JENOTS		160	78.0	79.4	79.9	79.3	80.2	81.4	84.2	83.7	84.7	86.9	88.6	90.5	88.2	84.7					144.2
CONFIG JE-059		200	78.0	81.0	80.7	80.5	82.1	82.5	83.0	84.2	85.1	86.0	88.1	89.0	86.1	82.2					143.7
LOC EVENDALE		250	79.6	79.6	79.8	81.9	82.2	82.9	82.8	84.3	85.2	85.9	87.4	88.3	84.6	82.3					143.5
DATE 05-07-75		315	79.0	80.3	81.2	80.5	81.1	82.2	83.2	84.9	85.5	87.1	88.0	88.4	84.9	82.2					143.8
RUN DBTF-MODEL 1		400	78.1	80.4	81.3	82.2	82.6	82.9	84.0	85.4	86.1	87.9	89.2	88.9	86.3	83.6					144.7
TAPE X10020		500	77.2	80.7	81.5	82.1	82.4	83.9	84.7	86.5	87.8	88.7	90.3	89.8	87.1	85.0					145.6
BAR 29.3 HG		630	78.3	82.0	82.6	82.6	83.3	84.6	86.1	88.0	89.1	91.0	92.0	91.4	89.3	87.1					147.3
(99043, N/M2)		800	78.8	83.2	83.9	84.5	85.2	86.3	86.5	88.7	89.6	92.3	93.0	93.3	90.9	89.9					148.6
IAMB 64, DEG F		1000	79.5	83.8	85.0	85.2	86.5	87.6	87.5	89.4	90.2	92.4	93.1	93.5	91.6	91.9					149.3
(291, DEG K)		1250	79.7	84.4	86.1	85.7	86.6	87.8	87.9	89.7	91.1	92.1	92.8	92.9	91.4	92.2					149.4
INLET 53, DEG F		1600	77.9	83.9	85.3	85.7	87.4	87.6	87.9	89.0	90.2	91.8	91.7	91.4	90.1	90.0					148.9
(285, DEG K)		2000	75.7	82.0	83.8	84.6	86.0	86.3	86.6	88.9	89.7	90.6	90.2	90.5	89.0	88.6					148.0
HACT 01, GH/M3		2500	73.2	79.7	80.7	82.2	83.2	83.9	84.8	86.6	87.7	88.7	88.6	87.8	86.4	85.9					146.1
(1, KG/M3)		3150	69.7	77.9	79.1	80.0	80.5	81.7	82.6	84.4	85.4	86.2	84.6	84.3	83.4	82.1					143.9
FREQ, SHIFT		4000	65.6	73.7	75.2	76.4	76.7	78.8	79.3	81.5	81.7	82.9	81.5	80.9	80.2	78.1					141.3
JET 9		5000	62.9	71.1	72.8	73.9	74.2	74.7	75.7	77.6	78.2	78.5	76.7	76.6	76.1	74.8					137.9
DIAMETER RATIO		6300	58.8	68.2	69.0	70.3	70.2	70.7	72.2	74.2	74.2	75.3	72.8	72.8	72.4	70.5					135.5
DE/DH 8.00		8000	56.4	65.9	66.8	68.7	68.3	67.8	69.5	71.6	70.8	73.2	69.0	69.0	69.4	67.7					134.5
OVERALL CALCULATED		10000	55.3	65.1	64.9	65.7	68.4	67.3	69.6	69.8	67.4	73.9	67.5	68.2	68.7	67.2					136.5
PND8			90.6	94.1	94.9	95.2	96.2	97.0	97.8	99.4	100.4	102.0	102.7	103.5	102.4	102.1					159.3
			99.1	104.3	105.2	106.2	107.3	107.9	108.6	110.4	111.3	112.6	112.6	112.8	111.8	110.6					160.6

PROC. DATE - MONTH 60 DAY 0 HR; 0:0

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG; F; 70 PERCENT REL; HUM; DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADYANS)															
SPL INPUT AT STD REV. ALPHA-12/73		FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0,0)
			(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,0)
NO EGA		50	51,6	53,1	58,3	58,2	60,7	60,9	62,7	64,0	64,8	66,6	64,0	68,7	68,9	65,6	(0,0)
SIDE LINE 2400, FT.		63	52,1	55,9	58,5	58,8	60,5	61,8	64,0	64,4	65,9	66,2	66,4	70,7	68,9	65,4	(0,0)
(731,52 M)		80	52,5	56,7	59,1	59,2	61,4	61,9	64,6	65,7	66,6	65,7	66,8	68,8	67,6	65,2	(0,0)
NEA		100	54,3	58,8	59,2	60,9	61,9	62,3	64,1	66,2	66,7	68,6	69,0	68,8	66,5	64,4	(0,0)
0, RPM		125	54,2	59,7	59,7	60,2	61,8	63,2	65,8	66,3	66,9	68,1	67,6	67,4	64,8	59,4	(0,0)
0, RAD/SEC		160	53,4	57,3	59,4	60,0	61,7	63,3	66,2	65,5	66,1	67,6	68,1	68,3	63,6	56,3	(0,0)
NEK		200	53,2	58,6	60,0	61,0	63,4	64,2	64,9	66,0	66,4	66,5	67,8	66,6	61,3	53,5	(0,0)
0, RPM		250	54,5	57,0	58,9	62,3	63,4	64,5	64,5	65,9	66,4	66,2	66,6	65,7	59,5	53,0	(0,0)
0, RAD/SEC		315	53,5	57,4	60,1	60,6	62,0	63,6	64,7	66,3	66,5	67,2	66,9	65,5	59,3	52,4	(0,0)
NFD		400	52,0	57,1	59,8	62,1	63,3	64,0	65,3	66,5	66,7	67,7	67,7	65,6	60,2	53,0	(0,0)
0, RPM		500	50,4	56,9	59,7	61,6	62,8	64,7	65,6	67,3	68,2	68,2	68,5	68,0	60,3	53,4	(0,0)
0, RAD/SEC		630	50,6	57,6	60,3	61,6	63,2	65,0	66,7	68,5	69,0	70,0	69,6	68,9	61,7	54,2	(0,0)
AIRFLOW RATIO		800	50,1	57,8	60,7	62,8	64,6	66,2	66,6	68,6	69,0	70,7	69,9	68,0	62,2	55,3	(0,0)
WE/HM 8,00		1000	49,3	57,4	61,1	62,9	65,2	66,8	66,9	68,7	68,9	70,0	69,2	67,1	61,5	55,2	(0,0)
VEHICLE JENOTS		1250	47,9	56,7	61,1	62,4	64,5	66,3	66,6	68,2	68,9	69,8	67,8	63,3	59,6	53,0	(0,0)
CONFIG JE=059		1600	43,7	54,5	58,8	61,1	64,0	65,0	65,5	66,3	66,9	67,2	65,2	61,9	55,9	47,2	(0,0)
LOC EVENDALE		2000	38,6	50,3	55,4	58,4	61,2	62,2	62,8	64,8	64,8	64,4	61,9	58,8	51,9	41,5	(0,0)
DATE 05-07-75		2500	31,8	44,8	49,7	53,7	56,3	57,9	59,0	60,5	60,8	60,2	57,6	52,9	45,1	32,5	(0,0)
RUN DBTF=MODEL 1		3150	21,6	37,8	43,9	47,8	50,2	52,5	53,7	55,2	55,1	54,0	49,4	44,3	35,3	18,6	(0,0)
TAPE X10020		4000	7,5	25,9	33,7	38,7	41,4	44,8	45,8	47,5	46,4	43,2	40,0	33,2	22,1		(0,0)
FAN TIP SPEED		5000		18,9	27,6	33,0	36,0	38,0	39,4	40,8	40,0	37,6	31,5	24,4	12,1		(0,0)
FT/SEC		6300		2,9	12,9	19,9	23,4	25,8	28,0	29,3	27,4	25,0	16,8	7,5			(0,0)
		8000				2,0	8,3	10,5	13,0	14,3	10,9	8,5					(0,0)
10000																	(0,0)
OVERALL CALCULATED			64,2	69,4	71,9	73,4	75,3	76,6	77,7	79,0	79,6	80,3	79,9	79,5	76,3	72,2	(0,0)
PNDB			66,5	74,5	78,3	80,5	82,9	84,2	85,1	86,5	86,8	87,1	85,7	83,5	77,9	70,7	(0,0)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA {59, DEG, F, 70 PERCENT REL, HUM, DAY - JENOTS}

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA																	PROC. DATE - MONTH 77 DAY 0 HR: 0.8										0.8			HUM, DAY - JENOTS			PWL
ANGLES FROM INLET IN DEGREES (AND RADIANS)																	50, DEG, F; 70 PERCENT REL, HUM, DAY - JENOTS										(0.0)			(0.0)			
SPL INPUT AT STD	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	(0.0)			(0.0)			(0.0)											
REV: ALPHA 12/73		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)			(0.0)			(0.0)											
NO EGA	30	78.9	77.7	81.3	80.4	82.4	82.2	84.3	85.8	87.6	89.8	88.0	93.8	96.7	94.6										147.9								
RDG, NO. 0	63	79.8	81.1	82.6	81.5	82.2	83.6	86.0	87.0	88.2	89.2	91.0	95.1	96.6	94.3										148.8								
RADIAL 320, FT.	80	80.1	82.4	83.2	82.4	83.9	83.7	86.1	87.4	88.9	89.7	92.4	95.1	95.4	94.0										145.6								
(98, M)	100	81.2	84.7	83.9	84.0	84.3	84.5	85.9	88.6	90.0	92.3	94.0	95.3	94.0	93.2										149.2								
VEHICLE JENOTS	125	82.6	85.1	84.3	83.9	84.8	85.4	87.2	88.3	90.1	92.3	93.5	93.7	91.6	89.4										148.5								
CONFIG JE-059	160	82.0	83.4	84.4	84.3	85.2	85.7	88.9	89.2	89.7	92.4	94.3	94.5	90.7	87.4										148.9								
LOC EVENDALE	200	81.5	85.2	84.7	85.0	86.3	87.2	87.8	89.0	90.3	92.2	93.3	92.7	90.1	86.2										148.5								
DATE 05-07-75	250	83.6	84.1	84.5	86.9	87.5	87.9	88.3	89.6	90.7	92.6	93.4	93.3	90.3	87.3										149.0								
RUN DBTF=MODEL 1	315	82.5	85.3	86.5	86.7	87.1	87.7	88.9	90.7	91.5	93.8	93.5	93.2	89.7	87.2										149.5								
TAPE X10040	400	82.6	86.2	87.0	88.0	88.9	88.9	90.0	91.4	92.1	95.1	94.7	93.9	91.1	88.6										150.6								
BAR 29.3 HG	500	82.7	86.0	87.5	88.6	89.2	90.1	91.2	93.2	93.8	96.7	96.1	95.1	92.6	89.3										151.9								
(99043, N/M2)	630	83.8	87.3	88.4	89.6	90.1	91.4	92.6	95.3	96.3	99.3	97.7	97.6	94.8	92.6										154.1								
TAMB 64, DEG F	800	85.1	88.9	90.4	91.2	91.7	93.1	94.0	96.5	97.6	101.0	100.5	99.8	97.9	96.2										156.1								
(291, DEG K)	1000	86.2	90.8	91.8	92.2	93.5	94.3	94.7	97.4	99.2	102.1	101.1	101.7	99.6	98.9										157.5								
TWET 53, DEG F	1250	88.4	90.6	91.9	93.2	94.1	94.6	95.2	98.0	99.8	102.1	101.6	102.4	100.6	101.0										158.1								
(285, DEG K)	1600	86.4	91.2	92.5	93.5	94.4	94.1	95.4	97.5	98.7	101.3	100.5	101.7	100.4	100.3										157.7								
HACT 0, GH/M3	2000	91.2	96.0	95.0	98.1	99.8	95.8	95.1	97.1	98.7	100.1	100.7	102.3	104.3	105.4										159.5								
(, KG/M3)	2500	83.4	89.7	90.4	91.5	92.0	91.7	92.3	94.6	95.9	96.9	96.6	97.6	97.4	96.7										154.9								
FREQ, SHIFT	3150	81.7	88.6	90.1	90.5	90.5	90.5	90.9	92.6	92.9	94.7	93.4	95.5	95.1	94.9										153.3								
JET	4000	78.1	85.4	86.0	87.7	87.7	88.8	88.6	90.0	90.2	91.4	90.3	92.1	92.4	92.6										151.2								
DIAMETER RATIO	5000	74.6	81.6	83.3	84.1	84.2	84.7	85.4	86.4	87.0	87.5	86.5	88.4	88.6	88.1										148.0								
DE/DM 8.00	6300	70.8	77.0	78.7	80.3	80.2	81.5	82.5	83.7	82.7	84.8	82.8	84.8	86.1	86.0										145.9								
OVERALL CALCULATED	8000	68.4	73.1	74.8	76.7	75.8	78.3	80.0	80.6	80.1	83.7	80.0	82.5	83.9	83.2										145.2								
PNOB	10000	67.0	68.4	70.2	71.7	71.4	77.8	79.3	79.3	77.4	83.7	78.2	81.5	82.2	80.5										146.4								
		97.5	101.5	102.1	103.4	104.4	103.9	104.6	106.7	108.0	110.4	110.0	110.8	110.1	109.9										167.1								
		109.8	114.4	114.5	116.4	117.5	116.0	116.3	118.12	119.3	121.2	121.1	122.3	122.9	122.7										160.4								

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0.0)	(0.0)	(0.0)
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)
NO EGA	30	55.1	56.1	61.3	61.5	64.2	64.4	66.7	68.0	69.3	70.9	68.0	72.2	72.9	67.3			
SIDELINE 2400, FT, (731.52 M)	63	55.9	59.4	62.5	62.5	64.0	65.8	68.3	69.1	69.9	70.2	70.9	74.5	72.6	66.9			
	80	56.0	60.7	63.1	63.4	65.7	65.9	68.4	69.5	70.6	70.7	72.3	73.3	71.4	66.5			
	100	57.0	62.6	63.7	64.9	65.9	66.6	68.1	70.7	71.7	73.1	73.7	73.4	69.8	65.4			
NFA 0, RPM	125	58.2	63.2	63.9	64.7	66.3	67.4	69.3	70.3	71.7	73.1	73.1	71.7	67.3	61.4			
NFK 0, RAD/SEC	160	57.4	61.3	63.9	65.0	66.7	67.5	70.9	71.0	71.1	73.1	73.9	72.3	66.1	59.1			
NFD 0, RPM	200	56.7	62.9	64.0	65.5	67.6	69.0	69.7	70.7	71.6	72.8	72.7	70.4	65.3	57.5			
NFD 0, RAD/SEC	250	58.5	61.5	63.7	67.3	68.6	69.5	70.0	71.2	71.9	73.0	72.6	70.7	65.2	58.0			
	315	57.0	62.4	65.4	66.8	68.0	69.1	70.5	72.1	72.5	74.0	72.4	70.3	64.1	57.4			
	400	56.5	62.9	65.6	67.8	69.5	70.0	71.3	72.5	72.7	75.0	73.2	70.6	65.0	58.0			
AIRFLOW RATIO	500	55.9	62.2	65.7	68.1	69.5	70.9	72.1	74.1	74.2	76.2	74.2	71.3	65.8	57.6			
WF/WM 8.00	630	56.1	63.1	66.0	68.6	70.0	71.8	73.2	75.7	76.3	78.3	75.3	73.2	67.2	59.7			
	800	56.3	63.6	67.2	69.6	71.1	72.9	74.1	76.4	77.0	79.4	77.4	74.5	69.2	61.5			
VEHICLE JENOTS	1000	56.1	64.4	67.8	69.9	72.2	73.6	74.2	76.7	77.9	79.8	77.2	75.3	69.5	62.2			
CONFIG JE-059	1250	56.6	63.0	66.9	69.9	72.0	73.0	73.8	76.4	77.6	78.8	76.6	74.8	68.8	61.8			
LOC EVENDALE	1600	52.2	61.7	66.0	68.9	71.0	71.5	73.0	74.8	75.4	76.7	74.0	72.2	66.2	57.5			
DATE 05-07-75	2000	54.1	64.3	66.7	71.9	74.9	71.7	71.5	73.1	73.8	73.9	72.4	70.6	67.1	58.2			
RUN DBTF-MODEL 1	2500	42.1	54.8	59.4	63.0	65.1	65.6	66.5	68.5	69.0	68.4	65.6	62.7	56.1	43.3			
TAPE X10040	3150	33.6	48.6	54.9	58.3	60.2	61.2	62.0	63.4	62.6	62.5	58.2	55.5	47.1	31.4			
FAN TIP SPEED	4000	20.0	37.7	44.4	50.0	52.4	54.8	55.0	56.0	54.9	53.7	48.7	44.4	34.3	14.0			
	5000	10.6	29.4	38.1	43.2	46.0	48.0	49.2	49.6	48.7	46.6	41.2	36.2	24.6	1.7			
	6300		11.7	22.7	29.9	33.4	36.6	38.2	38.8	35.9	34.5	28.8	19.5	4.9				
	8000			2.2	12.0	15.8	21.0	23.5	23.7	20.1	19.0	7.4						
	10000						3.0	5.7	4.5									
OVERALL CALCULATED		68.7	74.8	77.6	80.1	82.1	82.7	83.8	85.7	86.5	88.0	86.4	85.1	81.0	74.8			
PNDB		74.5	83.3	86.3	90.2	92.6	91.8	92.3	94.1	94.7	95.7	93.7	91.8	87.0	78.5			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA {59, DEG, F, 70 PERCENT REL, HUM, DAY - JENOTS}

SPL INPUT AT STD REV, ALPHA 12/73	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	REL	HUM	DAY	JENOTS	PWL
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)		
NO EGA	50	80.9	79.5	82.8	82.7	84.2	84.0	86.1	88.1	89.3	91.6	90.8	95.3	99.5	96.1					150.2
RDG, NO, 0	63	82.1	83.1	84.6	83.8	85.0	86.1	88.0	89.0	90.7	91.9	94.0	98.9	99.1	95.8					151.3
RADIAL 320, FT. (98, M)	80	82.6	84.9	85.7	84.2	85.7	85.5	88.1	89.1	91.2	92.2	94.9	97.6	97.9	95.3					150.9
VEHICLE JENOTS	100	83.5	86.7	85.9	86.5	86.8	87.3	88.7	90.9	92.0	95.0	96.5	97.5	96.2	95.0					151.5
CONFIG JE-059	125	85.1	87.4	86.8	86.4	86.5	87.7	89.9	90.8	92.4	93.3	97.0	98.2	94.8	91.7					151.3
LOC EVENDALE	160	85.0	85.9	86.6	86.8	87.2	88.4	91.4	91.4	92.9	95.9	97.6	98.0	93.2	90.4					152.0
DATE 05-07-75	200	84.0	87.0	87.2	87.2	88.6	89.5	90.5	92.0	93.3	95.7	96.8	96.5	93.4	89.7					151.7
RUN DBTF=MODEL 1	250	86.1	86.6	86.3	89.7	90.0	90.4	91.0	92.6	94.5	96.4	96.9	96.8	93.8	90.5					152.3
TAPE X10050	315	85.5	87.3	88.5	88.5	89.3	90.7	91.2	93.2	95.0	97.8	96.5	96.4	93.4	90.5					152.6
BAR 29.3 HG	400	85.8	88.4	89.3	90.0	90.6	91.1	92.0	94.4	95.3	99.4	97.9	97.9	95.1	91.6					153.9
(99043, N/M2)	500	84.7	87.7	89.0	90.3	91.2	92.6	93.7	95.2	97.1	100.2	98.6	98.6	95.6	93.0					154.8
IAMB 64, DEG F	630	86.3	88.8	89.9	91.1	91.6	93.4	95.1	97.5	99.1	101.8	100.7	100.4	98.0	95.6					156.6
(291, DEG K)	800	87.8	90.4	91.9	93.0	94.0	95.1	96.0	98.5	100.6	103.3	102.5	102.5	100.7	98.7					158.4
TWET 53, DEG F	1000	89.2	91.8	92.3	93.7	95.0	95.8	96.5	99.2	101.2	104.6	103.4	104.5	103.1	101.9					159.8
(285, DEG K)	1250	90.7	92.1	93.6	95.2	95.6	96.3	97.2	99.7	102.1	104.6	103.8	105.4	104.1	103.2					160.6
HACT 0, GM/M3	1600	89.9	93.2	94.5	95.0	95.9	96.4	97.2	99.3	100.5	103.6	103.2	104.2	104.1	103.5					160.1
(1, KG/M3)	2000	89.3	93.8	94.8	94.6	95.5	95.5	96.1	98.6	99.9	101.1	101.2	103.0	101.8	101.9					158.9
FREQ SHIFT	2500	88.2	93.7	93.9	95.0	95.0	94.2	95.0	96.1	97.7	99.2	98.6	100.3	99.1	98.7					157.2
JET 9	3150	85.9	92.1	93.1	94.2	94.0	94.0	92.9	94.4	94.9	96.2	95.6	97.3	96.9	95.6					155.5
DIAMETER RATIO	4000	80.8	87.2	88.5	89.9	90.2	91.3	90.8	92.3	91.9	93.4	92.3	94.1	93.4	91.6					153.1
DF/DH 8.00	5000	77.6	83.8	85.3	86.9	87.2	87.2	87.4	88.6	89.0	90.0	88.7	90.6	90.6	89.3					150.2
OVERALL CALCULATED	6300	73.5	80.5	82.2	83.3	83.7	83.5	84.2	85.4	85.4	87.3	85.6	88.0	87.9	86.0					148.2
PND8	8000	70.7	77.6	79.0	80.2	80.5	80.6	81.3	82.6	82.3	83.5	82.3	84.7	85.2	83.0					147.3
	10000	68.3	76.4	76.2	77.2	79.4	78.8	80.1	80.8	79.4	84.7	80.2	82.7	83.5	81.2					148.2
		99.6	102.8	103.7	104.6	105.2	105.8	106.6	108.7	110.3	112.9	112.4	118.4	112.3	110.9					169.2
		111.0	115.5	116.3	117.2	117.5	117.8	118.8	120.0	121.3	123.4	122.8	128.2	123.2	122.0					170.5

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)																		
		ANGLES FROM INFLT IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0	0
REV, ALPHA 12/73		FREQ (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	(0)	(0)
NO EGA		50	57.1	57.9	62.8	63.7	65.9	66.2	68.4	70.3	71.1	72.6	70.7	74.7	75.6	68.8				
SIDE LINE 2400 FT		63	58.1	61.4	64.5	64.8	66.7	68.3	70.3	71.1	72.4	73.0	73.9	77.2	75.1	68.4				
(731.52 M)		80	58.5	63.2	65.6	65.2	67.4	67.6	70.4	71.2	72.9	73.2	74.8	75.8	73.9	67.7				
NFA		100	59.3	64.8	65.7	67.4	68.4	69.3	70.9	72.9	73.7	75.9	76.2	75.7	72.0	67.2				
0, RPM		125	60.7	65.4	66.4	67.2	68.1	69.7	72.0	72.8	73.9	76.1	76.6	74.2	70.5	63.6				
0, RAD/SEC		160	60.4	63.8	66.1	67.5	68.7	70.3	73.4	73.3	74.4	76.6	77.1	75.8	68.6	62.1				
NEK		200	59.2	64.6	66.5	67.8	69.9	71.2	72.4	73.7	74.6	76.3	76.2	74.1	68.6	61.0				
0, RPM		250	61.0	64.0	65.4	70.0	71.1	72.0	72.8	74.2	75.6	76.7	76.1	74.2	68.7	61.3				
0, RAD/SEC		315	60.0	64.4	67.4	68.6	70.3	72.1	72.7	74.6	76.0	78.0	75.4	73.5	67.8	60.6				
NFD		400	59.7	65.1	67.8	69.8	71.3	72.2	73.3	75.5	76.0	79.2	76.5	74.6	69.0	61.0				
0, RPM		500	57.9	63.9	67.2	69.8	71.5	73.4	74.6	76.1	77.4	79.7	76.7	74.8	68.8	61.4				
AIRFLOW RATIO		630	58.6	64.3	67.5	70.1	71.5	73.8	75.7	78.0	79.0	80.8	78.3	75.9	70.4	62.7				
WE/KM 8.00		800	59.1	65.1	68.7	71.3	73.3	74.9	76.1	78.4	80.0	81.7	79.4	77.2	71.9	64.0				
VEHICLE		1000	59.1	65.4	68.3	71.4	73.7	75.1	75.9	78.4	79.9	82.3	79.4	78.1	73.0	65.2				
JENOTS		1250	58.9	64.5	68.6	71.9	73.5	74.8	75.8	78.2	79.9	81.3	78.8	77.8	72.3	64.0				
CONFIG JE=059		1600	55.7	63.7	68.0	70.4	72.5	73.7	74.7	76.6	77.1	79.0	76.7	74.7	69.9	60.7				
LOC EVENDALE		2000	52.4	62.1	66.4	68.4	70.7	71.5	72.3	74.6	75.1	74.9	72.9	71.3	64.6	54.7				
DATE 03-07-75		2500	46.8	58.8	62.9	66.5	68.1	68.1	69.3	70.0	70.8	70.7	67.6	65.4	57.8	45.3				
RUN DBTF=MODEL 1		3150	37.9	52.1	57.9	62.0	63.7	64.7	64.0	65.2	64.6	64.0	60.4	57.3	48.8	32.1				
TAPE X10050		4000	22.7	39.4	46.9	52.2	54.9	57.3	57.3	58.3	56.6	55.7	50.7	46.4	35.3	13.0				
FAN TIP SPEED		5000	13.6	31.7	40.1	46.0	49.0	50.5	51.2	51.8	50.7	49.1	43.5	38.4	26.6	2.0				
FT/SEC		6300		15.2	26.2	32.9	36.9	38.6	40.0	40.5	38.6	37.0	29.6	22.8	6.7					
		8000			6.4	15.5	20.6	23.2	24.8	25.3	22.4	20.7	9.7							
		10000					1.1	4.0	6.5	6.1	1.2									
OVERALL CALCULATED			71.3	76.4	79.3	81.4	83.3	84.7	86.0	87.8	89.0	90.8	89.1	87.9	83.8	76.8				
PNDB			76.1	83.6	87.5	90.0	92.0	93.2	94.3	96.0	96.8	98.3	96.2	94.4	89.0	80.2				

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			PWL
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,			
SPL INPUT AT STD	REV, ALPHA 12/73	FREQ, (0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,			
NO EGA	63	76,7	75,2	78,3	77,2	78,4	78,7	81,1	83,3	85,8	87,1	88,5	94,3	98,0	97,1				148,4		
RDG, NO, 0,	80	77,6	78,2	78,9	77,4	78,7	78,7	81,8	83,6	85,7	86,9	89,9	94,1	95,6	97,0				147,5		
RADIAL 320, FT,	100	77,7	80,7	78,6	79,5	79,8	80,0	81,4	84,6	85,8	87,3	91,2	92,8	93,7	95,0				147,6		
(98, H)	125	78,3	81,4	79,8	78,9	79,5	80,9	82,9	84,1	86,1	87,1	90,2	92,2	91,3	89,7				145,8		
VEHICLE JENOTS	160	77,5	78,4	79,4	79,0	79,7	80,9	84,2	83,9	85,4	88,6	91,1	92,5	90,2	86,7				145,6		
CONFIG JE-059	200	77,3	79,7	79,7	80,0	80,6	82,0	82,3	83,7	85,3	87,3	89,3	90,5	87,1	84,0				144,3		
LOC EVENDALE	250	78,3	78,1	78,5	80,7	81,2	81,6	81,8	83,3	84,7	86,6	87,9	89,5	85,6	82,8				143,5		
DATE 05-07-75	315	77,6	79,3	80,0	79,0	79,9	80,7	82,0	83,9	84,6	86,6	87,8	88,5	84,2	81,0				143,1		
RUN QBTF-MODEL 1	400	76,6	79,2	80,1	80,2	80,9	81,4	82,3	83,7	84,3	85,9	88,0	87,7	84,6	81,9				143,1		
TAPE X10060	500	76,2	78,5	79,6	80,4	80,7	81,9	82,7	84,3	85,4	87,5	87,9	87,4	84,9	82,8				143,6		
BAR 29,3 HQ	630	77,6	79,6	80,2	81,2	81,1	82,2	83,6	85,4	86,9	88,8	89,3	89,2	86,6	84,9				144,9		
(99043, N/M2)	800	76,7	80,2	81,2	81,5	83,1	83,4	84,1	86,3	87,2	87,1	89,5	89,4	87,8	86,8				145,6		
IAMB 66, DEG F	1000	76,1	80,9	82,1	82,6	83,6	84,7	84,8	86,3	87,1	89,2	89,3	89,1	87,5	88,0				145,8		
(292, DEG K)	1250	76,3	81,5	82,8	83,3	84,3	85,2	85,3	86,1	87,0	88,7	89,7	90,8	87,0	87,4				146,0		
THEY 53, DEG F	1600	74,3	80,6	82,0	83,4	84,8	85,1	84,6	86,0	86,2	88,5	88,7	87,6	86,3	85,5				145,6		
(285, DEG K)	2000	72,4	79,2	80,5	82,3	83,2	83,7	83,6	85,3	85,9	87,0	86,7	86,2	84,7	83,6				144,5		
HACT 0, GH/M3	2500	69,4	76,7	77,9	79,7	80,5	80,7	81,8	83,6	84,2	85,2	84,8	83,8	82,1	81,4				142,7		
(1 KG/M3)	3150	66,4	73,8	75,3	77,2	77,7	78,7	79,1	80,9	81,6	82,4	80,9	81,0	79,6	77,6				140,4		
FREQ SHIFT	4000	62,6	70,4	71,7	73,4	73,7	76,0	76,1	78,0	78,1	79,6	77,5	78,1	76,7	74,3				138,0		
JE 9	5000	60,1	67,8	68,5	70,1	70,6	71,4	72,9	74,3	74,4	75,7	72,9	74,3	74,5	72,5				134,8		
DIAMETER RATIO	6300	57,1	64,0	65,3	66,6	67,5	68,0	69,8	70,8	70,8	72,9	69,9	74,6	75,2	72,6				133,7		
DE/DM 8:00	8000	56,5	60,9	61,8	62,8	67,3	66,3	68,1	69,1	68,1	72,3	66,8	75,8	76,7	74,5				135,3		
OVERALL CALCULATED	10000	57,3	58,1	58,4	59,3	68,2	67,6	69,6	68,6	66,0	73,5	67,0	78,5	78,8	76,0				139,4		
PNOB	89,3	92,1	92,8	93,3	94,2	95,0	95,8	97,4	98,5	100,6	101,7	103,4	103,9	103,4	103,4				158,3		
	96,7	101,7	102,7	103,9	104,9	105,6	106,1	107,8	108,5	110,2	110,2	110,2	110,8	109,5	108,2				159,6		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
REV: ALPHA 12/73		FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA		30	52.8	53.6	58.3	58.2	40.2	60.9	63.4	65.5	67.6	70.1	68.7	72.7	74.1	69.8			
SIDELINE 2400' FT		63	53.1	56.4	58.5	58.0	59.7	62.0	63.5	65.1	66.7	67.5	68.4	72.7	72.9	68.1			
(731.52 M)		80	53.5	56.5	58.8	58.4	60.4	60.9	64.1	65.7	67.4	67.9	69.8	72.3	71.6	69.5			
NFA		100	53.5	58.8	58.4	60.4	61.4	62.1	63.6	66.7	67.4	70.1	71.0	70.9	69.5	67.2			
0 RPM		125	54.0	59.4	59.4	59.7	61.1	62.9	65.0	66.1	67.7	69.9	69.9	70.2	67.0	61.6			
0 RAD/SEC		160	52.9	56.3	58.9	59.7	61.2	62.8	66.2	65.8	66.9	69.3	70.6	70.3	65.6	58.3			
NEK		200	52.5	57.4	59.0	60.5	61.9	63.8	64.2	65.5	66.6	67.8	68.7	68.1	62.3	55.2			
0 RAD/SEC		250	53.2	55.5	57.7	61.0	62.4	63.2	63.5	64.9	65.9	67.0	67.1	66.9	60.9	53.6			
NED		315	52.0	56.4	58.9	59.1	60.8	62.1	63.5	65.3	65.5	66.7	66.7	65.6	58.6	51.1			
0 RAD/SEC		400	50.5	55.9	58.6	60.1	61.5	62.5	63.6	64.8	65.0	65.7	66.3	64.4	58.5	51.2			
AIRFLOW RATIO		500	49.5	54.7	57.7	59.9	61.1	62.7	63.7	65.1	65.7	67.0	66.0	63.6	58.1	51.2			
WE/WH 8:00		630	50.0	55.1	57.8	60.2	61.0	62.6	64.2	65.8	66.8	67.8	66.9	64.7	59.0	52.0			
		800	47.9	54.8	58.1	59.8	62.4	63.3	64.1	66.2	66.6	67.5	66.4	64.0	59.0	52.1			
VEHICLE JENOTS		1000	46.0	54.5	58.2	60.2	62.3	63.9	64.3	65.5	65.8	66.9	65.3	62.7	57.4	51.3			
CONFIS JE-059		1250	44.5	53.9	57.8	60.1	62.1	63.7	64.0	64.6	64.8	65.5	64.7	61.2	55.2	48.2			
LOC EVENDALE		1600	40.1	51.1	55.5	58.8	61.5	62.4	62.2	63.3	62.8	63.9	62.1	58.1	52.1	42.7			
DATE 05-07-75		2000	35.3	47.5	52.1	56.1	58.4	59.7	59.8	61.3	61.1	60.8	58.3	54.5	47.0	36.4			
RUN DBTF-MODEL 1		2500	28.1	41.8	46.9	51.2	53.5	54.6	56.0	57.5	57.3	56.7	53.8	48.9	40.8	28.0			
TAPE X10060		3150	18.3	33.8	40.1	45.0	47.4	49.5	50.2	51.6	51.3	50.2	45.7	41.0	31.6	14.1			
FAN TIP SPEED		4000	4.4	22.7	30.1	35.7	38.4	42.0	42.5	44.0	42.8	41.9	36.0	30.4	18.5				
FT/SEC		5000		15.6	23.3	29.2	32.4	34.7	36.6	37.5	36.2	34.8	27.7	22.1	10.5				
		6300			9.3	16.3	20.7	23.2	25.5	25.9	24.0	22.6	13.9	9.3					
		8000					7.4	9.0	11.5	11.8	8.1	7.5							
OVERALL CALCULATED		10000	63.6	68.2	70.4	71.9	73.6	74.9	76.2	77.6	78.5	80.0	80.1	80.7	79.3	75.3			
PNDB			64.9	72.0	75.7	78.5	80.6	81.9	82.6	83.9	84.1	85.0	83.9	82.8	76.9	71.0			

ORIGINAL PAGE IS
OF POOR QUALITY

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA

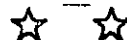
		PROC. DATE - MONTH 21 DAY 0 HR. 0.0 59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS																PWL		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,			
REV. ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)		
NO EGA		50	77.4	75.5	78.8	78.4	79.4	80.2	81.8	94.6	97.1	89.1	88.5	94.8	98.2	97.6				151.1
ROG. NO. 0		63	78.6	79.1	80.1	78.3	79.7	81.1	83.0	94.2	96.2	87.2	89.5	95.6	97.6	96.3				150.6
RADIAL 320, FT.		80	78.6	79.4	79.7	78.7	79.9	80.0	83.3	94.6	96.7	86.9	90.7	94.8	95.9	97.0				150.6
(98, M)		100	79.0	81.4	80.1	80.3	81.3	81.3	82.9	95.9	97.5	87.5	92.2	94.3	93.7	94.2				150.9
VEHICLE JENOTS		125	79.8	82.1	80.8	80.4	80.8	82.4	84.2	95.6	97.4	89.3	90.7	93.2	91.6	88.9				150.2
CONFIG JE-059		160	78.5	79.7	80.4	80.3	81.2	82.7	85.2	95.4	96.7	89.1	91.6	93.5	89.7	86.4				149.9
LOC EVENDALE		200	78.0	81.2	81.4	81.5	82.3	83.0	84.5	95.2	96.6	88.3	90.3	90.7	87.4	83.2				149.4
DATE 05-07-75		250	79.6	79.6	80.5	82.7	83.7	83.9	84.8	95.6	96.0	87.9	89.7	90.3	86.9	83.8				149.3
RUN DBTF-MODEL 1		315	79.3	81.3	82.8	81.7	82.1	83.9	84.5	96.2	97.1	88.1	89.3	89.7	85.9	82.8				149.8
TAPE X10070		400	78.8	81.4	82.8	82.7	83.9	84.1	85.3	96.7	97.1	89.4	90.5	89.9	87.6	84.4				150.3
BAR 29.3 HG		500	78.0	81.3	82.3	83.9	84.2	85.4	85.9	97.8	98.9	90.7	91.6	90.6	88.4	85.8				151.6
(99043, N/M2)		630	79.6	83.1	83.4	84.4	84.6	86.2	87.6	99.6	100.9	93.1	93.3	93.2	90.6	88.4				153.6
TAMB 66, DEG F		800	80.2	83.7	84.7	85.8	86.3	87.9	88.3	100.5	101.7	94.3	95.0	94.6	93.0	91.0				154.8
(292, DEG K)		1000	80.8	85.4	86.1	86.8	88.1	88.7	89.3	101.3	102.8	94.5	95.3	95.8	94.0	93.7				155.8
TWET 83, DEG F		1250	81.6	85.8	86.5	87.6	88.8	89.0	89.8	101.4	103.2	94.5	95.0	95.3	94.3	94.1				156.1
(285, DEG K)		1600	79.6	85.1	86.5	87.4	88.3	89.3	89.9	101.0	102.2	94.0	94.2	94.1	93.1	92.7				155.5
HACT 0, GH/M3		2000	78.2	83.5	84.7	85.8	88.0	88.7	89.1	100.8	101.4	92.3	92.4	93.0	92.0	91.3				155.0
(1, KG/M3)		2500	75.1	81.2	82.4	83.4	85.5	86.2	86.8	98.6	99.7	90.2	90.4	90.3	89.1	89.4				153.2
FREQ. SHIFT		3150	72.1	78.8	80.3	81.7	82.7	83.7	84.6	96.6	97.6	88.2	86.6	87.3	86.1	85.8				151.6
JET 9		4000	68.1	75.4	76.2	78.1	78.4	81.2	81.3	93.7	93.1	85.4	83.6	83.9	83.2	81.8				148.7
DIAMETER RATIO		5000	65.8	72.5	74.0	75.3	75.1	76.4	77.9	89.5	90.6	81.9	79.6	79.8	79.8	78.8				145.8
DE/DM 8.00		6300	63.8	69.3	70.3	71.6	71.7	73.0	74.1	86.0	86.5	79.2	76.2	77.9	77.7	75.6				143.3
OVERALL CALCULATED		8000	64.5	66.4	67.3	68.5	69.6	69.3	71.1	82.6	82.9	79.5	75.1	77.3	77.7	75.0				142.5
PND8		10000	65.0	65.6	65.2	66.2	69.5	68.3	69.9	80.6	78.7	81.5	76.5	78.5	79.0	77.0				144.3
			91.8	95.1	95.9	96.6	97.7	98.5	99.4	111.1	112.4	104.1	104.9	104.1	105.7	105.0				165.7
			101.1	105.5	106.6	107.5	108.9	109.8	110.5	122.3	123.2	114.7	114.8	119.5	114.4	113.4				167.0

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☆ 10 dB TOO HIGH

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG, P, 70 PERCENT REL, HUM, DAY) -
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
NO EGA	50	53.6	53.9	58.8	59.5	61.2	62.4	64.2	76.8	78.8	70.1	68.5	73.2	74.4	70.3			
SIDELINE 2400 FT (731.52 H)	63	54.6	57.4	60.0	59.3	61.5	63.3	65.3	76.4	77.9	68.2	69.4	74.0	73.6	68.9			
NFA 0 RPM	80	54.5	57.7	59.6	59.7	61.7	62.1	65.6	76.7	78.4	67.9	70.6	73.1	71.9	69.5			
(0 RAD/SEC)	100	54.8	59.6	59.9	61.1	62.9	63.3	65.1	77.9	79.2	70.4	72.0	72.4	69.5	66.4			
NFK 0 RPM	125	55.5	60.2	60.4	61.2	62.3	64.4	66.3	77.6	78.9	70.1	70.4	71.2	67.3	60.9			
(0 RAD/SEC)	160	53.9	57.6	59.9	61.0	62.7	64.6	67.2	77.3	78.1	69.8	71.1	71.3	65.1	58.1			
NFD 0 RPM	200	53.2	58.9	60.8	62.0	63.6	64.8	66.4	77.0	77.9	68.8	69.7	68.4	62.6	54.5			
(0 RAD/SEC)	250	54.5	57.0	59.7	63.0	64.9	65.5	66.5	77.2	77.1	68.3	68.8	67.7	61.7	54.6			
WE/WM 8.00	315	53.8	58.4	61.7	61.9	63.1	65.3	66.0	77.6	78.0	68.2	68.2	66.8	60.4	52.9			
(0 RAD/SEC)	400	52.7	58.1	61.4	62.6	64.5	65.3	66.6	77.8	77.8	69.2	69.0	66.6	61.5	53.7			
AIRFLOW RATIO	500	51.2	57.5	60.5	63.4	64.6	66.2	66.9	78.6	79.2	70.2	69.8	66.8	61.5	54.2			
VE/VEH 8.00	630	52.0	58.6	61.1	63.4	64.5	66.6	68.2	80.0	80.8	72.1	70.9	68.7	63.0	55.5			
VE/VEH 8.00	800	51.4	58.4	61.6	64.2	65.6	67.8	68.4	80.4	81.1	72.7	71.9	69.3	64.2	56.4			
VEHICLE JENQTS	1000	50.7	59.0	62.2	64.5	66.8	67.9	68.8	80.5	81.5	72.1	71.3	69.5	63.9	57.1			
CONFIG JE-059	1250	49.8	58.1	61.5	64.3	66.6	67.4	68.5	79.8	81.0	71.2	70.0	67.7	62.5	54.9			
LOC EVENDALE	1600	49.4	55.6	59.9	62.8	65.0	66.6	67.4	78.3	78.8	69.4	67.6	64.6	58.8	49.9			
DATE 03-07-75	2000	41.1	51.8	56.4	59.6	63.1	64.7	65.3	76.8	76.6	66.1	64.1	61.3	54.9	44.2			
RUN DBTF-MODEL 1	2500	33.8	46.3	51.4	55.0	58.5	60.1	61.0	72.5	72.8	61.7	59.1	55.4	47.8	36.0			
TAPE X10070	3150	24.1	38.8	45.1	49.5	52.4	54.5	55.7	67.4	67.3	56.0	51.4	47.2	38.1	22.3			
FAN TIP SPEED	4000	9.9	27.7	34.6	40.4	43.1	47.2	47.7	59.8	57.8	47.7	42.2	36.1	25.8	3.2			
FT/SEC	5000	1.8	20.3	28.8	34.4	38.9	39.7	41.6	52.8	52.4	41.0	34.4	27.6	15.8				
	6300		4.0	14.3	21.3	24.9	28.2	29.8	41.1	39.7	28.9	20.1	12.6					
	8000				3.8	9.6	12.0	14.5	25.3	22.9	14.8	2.5						
	10000								5.8	0.4								
OVERALL CALCULATED		65.2	70.2	72.8	74.7	76.5	77.9	79.2	90.7	91.5	82.4	82.3	82.4	80.0	75.6			
PNDB		67.6	75.5	79.3	82.0	84.2	85.8	86.9	98.6	98.9	89.2	88.0	88.0	80.5	72.8			



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PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PWL		
REV, ALPHA	12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	
NO EGA		50	79.2	77.3	81.1	80.2	81.9	82.5	83.8	85.6	88.3	90.8	90.5	96.0	99.5	98.6					150.1
RDG NO.	0	63	80.3	80.3	82.1	81.0	81.7	83.1	85.2	86.7	88.4	89.7	92.0	97.4	98.6	97.1					150.0
RADIAL 320, FT.		80	80.6	81.2	82.4	81.4	82.4	83.0	85.6	86.9	88.7	88.9	92.7	96.6	97.6	96.8					149.7
(98, M)		100	80.7	84.2	82.6	83.0	83.8	83.5	85.9	88.4	89.3	92.0	93.5	95.8	95.5	95.2					149.4
VEHICLE JENOTS		125	82.1	87.4	83.0	83.2	83.5	84.9	86.7	88.1	89.4	92.1	93.0	94.7	92.4	89.9					148.6
CONFIG JE-059		160	81.0	82.4	82.9	83.0	83.7	84.9	88.2	87.7	88.9	90.9	93.8	95.0	91.2	87.9					148.4
LOC EVENDALE		200	80.3	83.7	83.7	84.0	85.3	86.0	87.0	87.7	88.6	90.7	92.3	93.0	89.9	85.7					147.6
DATE 05-07-75		250	81.8	82.1	83.0	85.4	86.2	86.6	87.5	88.3	89.2	90.6	92.2	92.3	88.8	85.8					147.7
RUN DBTF=MODEL 1		315	81.3	83.5	85.3	84.7	85.4	86.4	88.2	88.9	89.8	91.6	92.0	92.9	88.2	85.5					147.9
TYPE X10000		400	81.1	84.4	86.0	86.5	86.8	87.6	89.0	89.6	90.6	92.9	93.2	92.4	89.3	87.6					148.9
BAR 29.3 HG		500	80.7	84.5	86.0	86.8	87.2	88.6	89.4	91.0	92.1	94.2	93.8	93.1	89.8	88.3					149.9
(99009, N/M2)		630	82.5	85.8	86.9	87.8	88.5	89.8	91.0	93.0	94.6	96.5	96.0	95.4	92.3	90.3					152.0
TAMB 70, DEG F		800	83.6	87.9	88.6	89.9	90.7	92.0	92.5	94.4	95.6	98.2	97.7	97.7	95.4	94.4					153.9
(294, DEG K)		1000	84.6	89.7	89.9	90.7	91.9	93.0	93.1	95.8	97.4	99.3	99.6	99.1	96.8	97.0					153.4
TWET 57, DEG F		1250	86.1	89.0	90.0	91.4	92.6	93.2	93.8	96.4	98.2	99.7	99.5	100.1	98.5	99.1					156.2
(287, DEG K)		1600	84.3	88.3	89.9	90.4	92.3	93.5	94.1	96.2	97.1	99.0	98.6	98.3	98.0	98.2					155.8
HACT 0, GM/M3		2000	84.9	89.9	91.2	94.2	95.4	93.9	93.8	95.3	96.3	97.7	97.4	98.9	98.2	100.0					155.9
(, KG/M3)		2500	81.0	87.3	88.3	90.6	91.4	90.6	91.4	92.7	94.6	95.3	95.0	95.5	95.0	96.1					153.3
FREQ SHIFT		3150	77.8	85.8	86.0	87.1	87.9	88.6	89.3	91.0	91.8	92.8	91.1	92.5	92.1	91.8					151.0
JE 9		4000	74.3	82.1	82.9	84.1	84.7	86.5	86.5	88.0	88.1	89.1	88.0	89.3	88.4	88.0					148.5
DIAMETER RATIO		5000	71.1	78.6	80.1	80.6	81.9	82.7	82.9	84.8	85.2	85.7	84.2	85.4	85.0	85.6					145.6
DE/DN 8.00		6300	67.5	74.0	75.7	77.0	76.9	79.5	80.5	81.7	81.2	83.1	80.6	82.3	81.9	82.0					143.5
OVERALL CALCULATED		8000	65.8	69.8	71.4	73.4	73.4	76.9	78.7	79.7	78.2	82.1	77.9	79.8	80.5	79.4					143.1
PND8		10000	67.4	66.2	67.8	69.0	70.0	77.4	79.4	79.4	76.8	83.3	77.4	79.9	80.1	77.8					145.7
			95.1	99.1	99.8	101.1	102.1	102.6	103.3	105.1	106.4	108.2	108.2	109.2	108.4	108.1					165.2
			105.9	110.9	111.6	113.5	114.5	114.5	115.0	116.5	117.8	119.1	118.8	119.8	118.8	119.3					166.5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
REV, ALPHA 12/73		FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)
NO EGA		50	55.3	55.9	61.0	61.2	63.7	64.7	66.2	67.8	70.1	71.9	70.5	74.4	75.6	71.3			
SIDELINE 2400 FT		63	56.4	59.2	62.0	62.0	63.5	65.3	67.5	68.9	70.2	70.7	71.9	75.7	74.6	69.6			
(731.32 M)		80	56.5	59.5	62.3	62.4	64.2	65.1	67.9	69.0	70.4	69.9	72.6	74.8	73.6	69.2			
NFA 0: RPM		100	56.5	62.3	62.4	63.9	65.4	65.6	68.1	70.4	70.9	72.9	73.2	73.9	71.3	67.4			
(0: RAD/SEC)		125	57.7	65.4	62.7	64.0	65.1	66.9	68.8	70.1	70.9	72.9	72.6	72.7	68.0	61.9			
NEK 0: RPM		160	56.4	60.3	62.4	63.7	65.2	66.8	70.2	69.6	70.4	71.6	73.4	72.9	66.6	59.6			
(0: RAD/SEC)		200	55.5	61.4	63.0	64.5	66.6	67.7	68.9	69.5	69.9	71.3	71.7	70.6	65.1	57.0			
NFD 0: RPM		250	56.7	59.5	62.2	65.8	67.4	68.2	69.3	69.9	70.4	71.0	71.3	69.7	63.7	56.5			
(0: RAD/SEC)		315	55.7	60.9	64.2	64.8	66.3	67.8	69.7	70.3	70.7	71.7	70.9	69.1	62.6	55.6			
AIRFLOW RATIO		400	54.9	61.1	64.6	66.3	67.5	68.7	70.3	70.8	71.2	72.7	71.7	69.1	63.2	56.9			
WF/WM 8:00		500	53.9	60.6	64.1	66.3	67.5	69.4	70.4	71.8	72.4	73.6	72.0	69.3	63.1	56.6			
		630	54.9	61.3	64.5	66.9	68.5	70.3	71.6	73.5	74.5	75.5	73.8	70.9	64.6	57.4			
VEHICLE JENOTS		800	54.8	62.5	65.5	68.3	70.0	71.9	72.5	74.3	74.9	76.6	74.6	72.4	66.6	59.7			
CONFIG JE-059		1000	54.5	63.3	66.0	68.3	70.6	72.2	72.6	75.1	76.1	76.9	75.6	72.8	66.7	60.4			
LOC EVENDALE		1250	54.3	61.4	65.0	68.1	70.4	71.7	72.5	74.8	76.1	76.5	74.5	72.4	66.7	59.9			
DATE 05-07-75		1600	50.1	59.3	63.4	65.8	68.9	70.8	71.6	73.5	73.7	74.4	72.1	69.8	63.8	55.4			
RUN DBTF-MODEL 1		2000	47.7	58.2	62.8	66.0	70.6	69.9	70.0	71.2	71.5	71.5	69.0	67.2	61.0	52.9			
TAPE X10080		2500	39.7	52.4	57.3	62.1	64.5	64.5	65.7	66.7	67.7	66.8	64.0	60.6	53.7	42.7			
FAN TIP SPEED		3150	29.8	45.7	50.6	55.0	57.6	59.4	60.4	61.8	61.9	60.7	55.0	52.4	44.0	28.3			
PT/SEC		4000	16.1	34.4	41.3	46.4	49.4	52.5	53.0	54.0	52.8	51.4	46.4	41.6	30.2	9.5			
		5000	7.1	26.4	34.8	39.7	43.7	46.0	46.6	48.1	47.0	44.8	39.0	33.2	21.0				
		6300		8.7	19.7	26.7	30.1	34.6	36.2	36.8	34.4	32.8	24.6	17.0	0.1				
		8000				8.6	13.5	19.6	22.1	22.4	18.2	17.3	5.3						
		10000						2.7	5.8	4.7									
OVERALL CALCULATED			67.6	73.6	76.0	78.3	80.2	81.5	82.7	84.2	85.0	86.0	85.1	84.6	81.6	76.6			
PNDB			71.2	79.8	83.6	87.4	89.7	90.3	91.0	92.5	93.0	93.6	91.8	89.9	84.1	76.5			

SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	190,	200,	PWL
REV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)	
NO EGA		50	80.9	79.3	83.6	82.4	84.2	84.3	86.1	87.6	90.1	93.1	92.8	95.0	100.7	99.9				151.8
RDG. NO. C.		63	81.6	82.8	84.3	83.3	84.7	85.4	87.5	88.5	90.4	92.4	94.0	99.6	100.1	98.3				151.9
RADIAL 320, FT.		80	82.3	84.2	84.7	83.7	84.9	85.2	88.1	88.9	91.2	91.9	95.4	98.6	98.6	97.8				151.5
(98, M)		100	82.7	86.4	85.4	85.8	86.5	86.8	87.9	90.9	91.3	93.0	96.5	97.3	96.5	97.0				151.6
VEHICLE JENOTS		125	84.3	89.1	86.0	85.7	86.0	87.2	88.9	89.8	91.9	94.6	96.0	96.4	94.6	92.7				150.9
CONFIG JE-059		160	84.0	85.2	86.4	86.0	86.7	87.9	90.4	90.2	91.4	94.4	96.3	97.2	93.7	90.2				151.0
LOC EVENDALE		200	83.3	87.0	86.2	86.7	87.8	88.7	89.8	91.0	91.8	94.5	95.6	96.0	93.1	89.0				150.8
DATE 05-07-75		250	85.1	85.3	86.0	88.7	89.5	89.6	90.5	91.1	93.0	94.9	95.4	95.0	92.3	89.5				151.0
RUN DBTF-MODEL 1		315	84.3	86.6	88.3	88.0	88.6	89.2	90.7	92.2	93.8	96.1	95.5	95.4	92.2	89.7				151.5
TAPE X10090		400	84.3	86.9	88.8	89.7	90.4	90.9	92.0	92.9	94.1	97.4	96.2	93.9	94.1	90.7				152.5
BAR 29.3 HG		500	83.7	87.2	89.0	89.6	90.4	91.4	92.9	94.5	95.6	98.9	97.6	97.1	94.3	92.1				153.7
(99043, N/M2)		630	85.3	88.1	89.7	90.4	91.1	92.6	94.1	96.3	97.9	101.0	99.3	99.4	96.5	94.6				155.7
TAMB 70, DEG F		800	86.1	89.2	91.4	92.5	92.7	94.6	95.3	97.2	99.2	102.5	101.2	101.1	99.2	98.4				157.4
(294, DEG K)		1000	87.5	90.8	91.8	93.3	94.5	94.8	95.7	97.9	100.3	102.6	102.2	103.0	101.1	102.1				158.5
TWEI 57, DEG F		1250	89.5	91.2	92.4	94.2	94.7	95.6	96.2	98.7	100.8	103.1	102.8	103.4	102.6	103.5				159.4
(287, DEG K)		1600	87.9	92.0	93.3	94.3	95.2	95.4	96.2	98.3	99.8	102.1	101.8	102.5	102.2	102.6				158.8
HACT 0, GM/M3		2000	87.0	92.1	93.1	93.4	94.1	94.6	95.2	97.2	98.2	100.1	99.3	101.3	100.6	100.9				157.6
(1, KG/M3)		2500	86.0	92.3	93.0	93.3	93.1	93.0	94.1	95.7	96.5	97.8	97.2	98.4	98.0	98.0				153.9
FREQ. SHIFT		3150	83.5	90.7	92.0	92.8	92.8	92.6	92.0	93.2	94.0	95.5	94.3	95.9	95.5	95.5				154.4
JET 9		4000	79.2	86.0	87.8	88.8	88.8	90.4	89.7	90.6	90.3	92.5	91.7	92.8	92.3	91.5				152.0
DIAMETER RATIO		5000	75.5	82.7	84.2	85.8	85.3	86.1	86.6	87.5	87.6	88.4	87.6	88.7	88.9	89.7				148.9
DE/DM 8.00		6300	71.9	78.3	80.6	82.1	80.8	82.8	84.1	84.3	84.3	85.9	84.2	86.6	86.3	85.9				147.0
OVERALL CALCULATED		8000	69.3	74.0	76.7	77.9	76.9	79.2	80.9	82.5	81.5	84.1	81.4	82.6	84.3	83.1				146.1
PNDB		10000	67.4	69.5	71.8	73.0	73.3	78.4	80.2	80.4	78.6	84.6	79.1	80.6	82.1	80.6				147.1
			98.2	101.8	102.9	103.7	104.2	104.9	105.8	107.6	109.2	111.7	111.3	112.2	111.3	111.1				168.1
			109.2	114.2	115.3	116.1	116.3	116.7	117.5	119.0	120.0	122.1	121.6	122.0	121.9	121.6				169.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	30	57.1	57.9	63.5	63.5	65.9	66.7	68.4	69.8	71.8	74.1	72.7	76.4	76.9	72.6			
SIDELINE 2400 FT	63	57.6	61.2	64.2	64.3	66.5	67.5	69.8	70.6	72.2	73.5	73.9	78.0	76.1	70.9			
(731.52 M)	80	58.3	62.9	64.6	64.7	66.7	67.4	70.4	71.0	72.9	72.9	75.3	78.8	74.6	70.2			
NFA	100	58.5	64.6	63.2	66.6	68.1	68.8	70.1	72.9	73.2	75.9	76.2	78.7	72.3	69.2			
(0, RPM)	125	60.0	67.2	63.7	66.5	67.6	69.2	71.0	71.8	73.4	73.4	75.6	74.5	70.3	64.7			
(0, RAD/SEC)	160	59.4	63.1	63.9	66.7	68.2	69.8	72.4	72.1	72.9	75.1	75.9	75.1	69.1	61.8			
NFK	200	58.5	64.6	65.5	67.3	69.1	70.5	71.7	72.7	73.1	75.0	75.0	73.6	68.3	60.2			
(0, RAD/SEC)	250	60.0	62.8	65.2	69.0	70.6	71.2	72.3	72.7	74.1	75.2	74.6	72.4	67.2	60.3			
NPD	315	58.7	63.7	67.2	68.1	69.5	70.6	72.3	73.6	74.7	76.2	74.4	72.6	66.6	59.9			
(0, RPM)	400	58.2	63.6	67.4	69.6	71.0	72.0	73.3	74.0	74.7	77.2	74.8	72.6	68.0	60.0			
(0, RAD/SEC)	500	57.0	63.4	67.2	69.1	70.8	72.2	73.9	75.3	75.9	78.4	75.7	73.3	67.6	60.4			
AIRFLOW RATIO	630	57.7	63.6	67.3	69.4	71.0	73.1	74.7	76.7	77.8	80.0	77.1	75.0	68.9	61.7			
WE/WH 8.00	800	57.3	63.8	68.3	70.8	72.1	74.5	75.3	77.1	78.5	80.9	78.1	75.7	70.4	63.8			
VEHICLE JENOTS	1000	57.4	64.4	67.8	70.9	73.2	74.1	75.2	77.2	78.9	80.3	78.2	75.8	71.0	65.5			
CONFIG JE-059	1250	57.7	63.5	67.4	70.9	72.5	74.0	74.9	77.2	78.7	79.8	77.8	75.8	70.8	64.3			
LOC EVENDALE	1600	53.7	62.5	66.8	69.7	71.8	72.7	73.8	75.6	76.4	77.5	75.2	73.0	68.0	59.8			
DATE 05-07-75	2000	49.9	60.4	64.7	67.2	69.3	70.5	71.4	73.1	73.4	73.9	71.2	69.4	63.5	53.8			
RUN DBTF=MODEL 1	2500	44.7	57.4	62.0	64.8	66.1	67.0	68.4	69.6	69.6	69.3	66.2	63.5	56.7	44.6			
TYPE X10090	3150	35.5	50.7	56.7	60.6	62.5	63.3	63.1	64.0	63.7	63.4	59.3	55.9	47.4	32.0			
FAN TIP SPEED	4000	21.1	38.3	46.3	51.1	53.5	56.4	56.1	56.7	55.0	54.8	50.1	45.0	34.2	12.9			
FT/SEC	5000	11.5	30.5	39.0	44.9	47.1	49.4	50.3	50.7	49.4	47.5	42.4	36.6	24.9	2.4			
	6300		13.0	24.5	31.8	34.0	37.9	39.8	39.4	37.5	35.6	28.2	21.1	5.1				
	8000			4.1	13.2	27.0	21.9	24.4	25.2	21.5	19.4	8.8						
	10000						3.7	6.6	5.7	0.3								
OVERALL CALCULATED		70.2	75.9	78.7	80.9	82.6	83.9	85.3	86.8	87.9	89.7	88.1	87.3	83.7	78.4			
PND8		74.5	82.4	86.4	89.1	91.0	92.3	93.4	95.0	95.8	97.0	94.9	93.1	87.8	80.1			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			PWL
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)	(3.85)
SPL INPUT AT STD	REV. ALPHA 12/73	50	83.2	71.5	75.8	74.7	85.9	86.7	88.3	90.1	91.3	93.1	94.5	100.0	103.5	101.1	102.6	99.6	153.8		
NO EGA		63	84.6	74.8	76.8	75.3	86.2	87.6	89.0	91.5	92.9	94.7	96.2	101.1	102.6	99.6	153.9				
ROG. NO. 0		80	85.1	76.2	77.4	75.7	87.4	87.2	89.8	91.4	93.4	94.9	97.9	100.6	101.6	98.5	153.7				
RADIAL 320 FT.		100	85.0	78.7	77.6	76.0	88.3	88.8	90.4	92.9	94.3	97.5	99.0	99.8	99.5	97.7	153.8				
(98, M)		125	86.3	81.4	78.3	78.4	88.5	89.7	91.4	92.6	94.9	98.1	99.2	98.4	96.9	94.2	153.4				
VEHICLE JENOTS		160	86.0	77.7	76.4	76.0	89.2	90.2	93.2	93.4	94.7	97.9	99.3	100.0	95.4	92.9	153.7				
CONFIG JE=059		200	85.5	79.0	78.7	79.0	90.3	91.5	92.5	94.0	95.6	98.2	98.6	98.2	95.1	92.0	153.5				
LOC EVENDALE		250	87.1	78.1	78.0	80.7	91.7	92.4	92.8	94.3	96.0	98.9	98.7	98.3	96.1	92.0	153.9				
DATE 05-07-75		315	86.8	78.8	80.5	80.2	90.9	92.2	93.7	95.2	96.5	99.6	98.5	98.4	95.9	92.7	154.3				
RUN DBTF=MODEL 1		400	87.1	79.7	80.8	81.2	92.9	93.4	94.0	95.7	96.8	100.6	99.7	98.9	96.6	94.2	155.1				
TAPE X10100		500	86.7	79.2	80.5	81.6	92.7	94.4	95.2	97.0	98.6	101.4	99.8	98.6	97.3	95.1	156.0				
BAR 29.3 HG		630	88.0	80.3	80.9	82.4	93.3	95.1	96.6	98.8	100.6	103.5	101.8	101.7	99.5	97.4	158.0				
(99043, N/M2)		800	88.9	81.7	82.4	83.7	94.7	96.3	97.5	99.5	101.4	104.3	103.0	102.8	101.7	99.9	159.1				
TAMB 70, DEG F		1000	90.0	83.3	83.3	84.8	95.5	97.1	98.2	100.7	102.8	105.1	104.2	104.5	103.6	103.4	160.5				
(294, DEG K)		1250	91.7	84.7	84.4	85.5	96.4	97.8	98.2	100.7	103.1	105.1	105.3	105.7	105.1	104.2	161.3				
TWET 57, DEG F		1600	91.4	87.0	86.6	86.3	96.7	97.2	98.5	100.6	101.8	103.9	103.8	103.2	104.2	103.1	160.6				
(287, DEG K)		2000	90.0	87.8	87.6	86.9	97.6	97.1	97.2	99.4	100.0	101.9	102.0	102.8	102.1	100.9	159.2				
HACT 0, GM/M3		2500	88.5	86.8	86.7	87.0	97.3	96.3	96.1	97.7	98.3	99.5	99.9	100.7	99.2	98.0	157.6				
(, KG/M3)		3150	85.0	82.7	83.7	84.8	95.1	95.8	94.7	95.5	95.7	96.8	96.0	98.1	97.0	95.2	155.7				
FREQ. SHIFT		4000	80.5	78.3	79.1	80.0	90.6	92.6	92.4	93.4	92.5	94.2	93.7	94.8	94.3	91.7	153.5				
JET 9		5000	77.8	75.7	76.5	77.8	87.6	88.4	88.6	89.7	89.6	90.6	90.3	91.5	91.4	89.9	150.6				
DIAMETER RATIO		6300	73.6	72.1	73.3	74.4	84.5	85.3	85.6	86.5	86.3	87.7	87.9	89.9	89.3	87.6	149.1				
DF/DH 8.00		8000	70.1	69.0	70.2	71.4	81.2	81.7	82.4	83.8	83.2	85.1	86.2	87.9	88.6	86.9	148.7				
OVERALL CALCULATED		10000	66.6	66.5	67.0	68.3	79.5	79.6	80.9	81.4	79.6	82.3	86.9	88.4	89.1	87.1	150.7				
PNDB		100.7	95.3	95.4	95.9	106.6	107.3	108.1	110.0	111.5	114.0	113.7	118.4	113.7	112.1	170.1					
		111.6	108.0	108.2	108.7	119.2	119.5	119.7	121.5	122.1	124.1	124.1	128.0	124.0	122.5	171.4					

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☆ 10 dB TOO LOW

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. P, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD REV, ALPHA 12/73		ANGLES FROM INLET IN DEGREES (AND RADIANS)																				(0, 0, 0)		
FREQ.		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0, 0, 0)	(0, 0, 0)	(0, 0, 0)	(0, 0, 0)	(0, 0, 0)	(0, 0, 0)	(0, 0, 0)	(0, 0, 0)	(0, 0, 0)
NO EGA		50	59.3	49.9	55.8	55.7	67.7	68.9	70.7	72.3	73.1	76.1	74.5	78.4	79.6	73.8								
SIDELINE 2400, FT.		63	60.6	53.2	56.7	56.3	68.0	69.8	72.3	73.6	74.7	75.7	76.1	79.5	78.6	72.1								
(731.52 M)		80	61.0	54.5	57.3	56.7	69.2	69.4	72.1	73.5	75.1	75.9	77.8	78.8	77.6	71.0								
NFA 0, RPM		100	60.8	56.8	57.4	58.9	69.9	70.8	72.6	74.9	75.9	78.4	78.7	77.9	75.3	69.9								
NFK 0, RAD/SEC		125	62.0	59.4	57.9	59.2	70.1	71.7	73.5	74.6	76.4	78.9	78.9	76.5	72.5	66.2								
NFK 0, RPM		160	61.4	55.6	57.9	58.7	70.7	72.1	75.2	75.3	76.1	78.6	78.9	77.9	70.9	64.6								
NFD 0, RAD/SEC		200	60.7	56.6	58.0	59.3	71.6	73.2	74.4	75.7	76.9	78.8	78.0	75.9	70.3	63.2								
NFD 0, RPM		250	62.0	55.5	57.2	61.0	72.9	74.0	74.5	75.9	77.1	79.2	77.8	75.7	71.0	62.8								
(0, RAD/SEC)		315	61.2	55.9	59.4	60.3	71.8	73.6	75.3	76.6	77.5	79.7	77.4	75.6	70.4	62.9								
AIRFLOW RATIO		400	61.0	56.4	59.4	61.1	73.5	74.5	75.3	76.8	77.5	80.5	78.3	75.6	70.5	63.5								
WF/WM 8.00		500	60.0	55.4	58.7	61.1	73.0	75.2	76.2	77.8	78.9	80.9	78.0	75.8	70.6	63.4								
		630	60.4	55.8	58.5	61.4	73.2	75.6	77.2	79.2	80.5	82.5	79.4	77.2	71.9	64.4								
		800	60.1	56.3	59.3	62.1	74.1	76.2	77.6	79.4	80.8	82.7	79.9	77.5	72.9	65.3								
VEHICLE JENOTS		1000	59.9	57.2	59.3	62.4	74.2	76.3	77.7	79.9	81.4	82.8	80.2	78.1	73.5	66.7								
CONFIG JE-059		1250	59.9	57.0	59.4	62.2	74.3	76.3	76.9	79.2	80.9	81.8	80.3	78.0	73.3	65.0								
LOC EVENDALE		1600	57.2	57.5	60.1	61.7	73.3	74.5	76.0	77.9	78.4	79.3	77.2	75.7	70.0	60.8								
DATE 05-07-75		2000	52.9	56.1	59.2	60.7	72.8	73.0	73.4	75.4	75.2	75.7	73.7	71.1	65.0	53.8								
RUN DBTF-MODEL 1		2500	47.2	51.9	55.7	58.6	70.4	70.2	70.4	71.6	71.4	71.0	68.9	65.8	57.9	44.6								
TYPE X10100		3150	37.0	42.7	48.5	52.6	64.8	66.6	65.8	66.3	65.3	64.6	60.9	58.1	48.9	31.7								
FAN TIP SPEED		4000	22.3	30.5	37.5	42.3	53.3	58.6	58.9	59.4	57.2	56.6	52.1	47.0	36.2	13.1								
FT/SEC		5000	13.8	23.5	31.2	36.9	49.3	51.6	52.3	53.0	51.4	49.7	45.1	39.3	27.4	-2.6								
		6300		6.8	17.3	24.1	37.7	40.4	41.3	41.6	39.5	37.4	31.9	24.6	8.1									
		8000				6.7	21.2	24.4	25.9	26.4	23.3	20.4	13.6	2.5										
		10000					1.2	4.9	7.3	6.7	1.3													
OVERALL CALCULATED			72.7	68.6	70.9	72.9	84.7	86.3	87.6	89.3	90.5	92.2	90.6	89.4	86.4	79.8								
PNDB			77.4	76.2	79.3	84.4	93.6	94.7	95.8	97.5	98.1	99.3	97.3	95.5	90.2	81.5								

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☆ 10 dB TOO LOW

ORIGINAL PAGE IS
OF POOR QUALITY

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, 0.8
 PROC, DATE - MONTH 60 DAY 0 HR, 0.8
 HUM, DAY - JENOTS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	
NO EGA	50	78,7	77,7	80,3	78,9	80,2	80,7	84,1	86,1	89,1	92,1	92,0	97,9	100,0	100,1			151,1
RDG NO, 0,	63	79,8	80,1	80,6	79,3	79,5	81,1	83,7	85,0	86,7	88,7	90,5	97,6	99,6	98,8			150,3
RADIAL 320, FT,	80	80,3	80,9	80,7	79,2	80,4	80,7	83,6	85,4	87,9	88,9	93,2	97,1	98,6	99,8			150,4
(98, M)	100	80,0	82,4	81,1	81,0	81,8	81,8	83,4	86,4	87,5	91,3	93,7	95,5	96,0	97,7			149,4
VEHICLE JENOTS	125	81,1	82,9	81,0	80,4	81,3	82,7	84,7	85,8	87,9	91,1	93,0	94,2	93,8	92,9			148,0
CONFIG JE=059	160	79,3	79,7	80,6	80,5	81,2	82,7	85,7	86,2	87,7	90,9	93,1	95,0	92,4	88,7			147,8
LOC EVENDALE	200	78,3	81,2	80,4	81,2	81,8	83,0	84,3	86,0	87,6	89,8	92,0	92,5	89,6	85,5			146,7
DATE 05-07-75	250	79,3	79,3	79,8	82,2	83,0	82,9	83,8	85,3	87,0	88,6	90,9	91,3	87,1	84,0			145,5
RUN DBTF-MODEL 1	315	77,8	79,6	81,3	80,7	80,9	81,7	83,5	84,9	86,1	88,3	89,8	89,7	85,2	82,3			144,6
TAPE X10110	400	77,6	79,9	80,8	81,5	81,9	82,6	83,8	85,4	86,1	88,1	89,7	89,2	85,4	82,9			144,7
BAR 29,3 HG	500	76,2	79,0	80,3	82,1	82,2	83,1	84,4	85,5	87,1	88,7	89,1	89,1	85,6	83,8			144,9
(99043, N/M2)	630	77,1	79,8	81,2	81,9	82,3	84,1	85,1	86,8	88,4	90,6	90,8	90,4	87,9	85,9			146,3
TAHB 69, DEG F	800	77,6	81,2	81,9	83,2	84,0	85,4	85,5	87,5	88,7	90,6	91,8	91,3	89,2	88,7			147,2
(294, DEG K)	1000	77,0	81,6	82,8	84,1	84,8	86,4	86,5	88,0	88,8	90,9	91,2	91,3	89,4	90,2			147,6
TNET 35, DEG F	1250	76,5	82,0	83,5	84,8	85,7	86,4	85,8	88,3	88,9	90,9	90,9	91,0	89,0	89,3			147,7
(286, DEG K)	1600	75,0	81,3	83,2	84,4	85,8	86,0	86,6	87,4	88,1	90,2	89,9	89,8	87,8	87,4			147,1
HACT 0, GH/M3	2000	72,9	79,4	81,2	86,0	84,4	84,9	85,5	86,8	87,3	88,7	88,4	88,2	86,2	85,8			146,2
(1, KG/M3)	2500	70,1	77,4	78,8	80,1	81,4	82,3	83,0	84,7	86,4	86,6	86,0	86,0	83,8	82,9			144,2
FREQ SHIFT	3150	67,1	75,0	77,0	78,2	78,9	80,4	81,3	82,6	83,3	84,6	82,6	82,7	81,6	79,8			142,2
JET 9	4000	62,8	71,3	72,9	74,6	74,9	77,7	78,0	80,0	79,6	81,1	79,7	79,6	78,4	76,0			139,6
DIAMETER RATIO	5000	60,6	68,5	70,3	71,6	71,9	73,2	74,1	76,3	76,4	76,9	74,6	75,8	75,2	73,5			136,3
DE/DH 8,00	6300	57,7	65,4	66,4	68,9	68,6	69,6	71,4	72,6	72,6	73,7	71,5	75,2	75,5	73,4			134,9
OVERALL CALCULATED	8000	57,1	61,5	62,7	66,9	66,9	66,7	69,4	70,0	69,2	70,6	68,1	78,6	77,0	75,1			135,8
PND8	10000	57,6	58,5	58,8	65,5	67,5	67,4	69,9	69,6	66,8	67,8	67,6	78,8	78,8	76,5			139,4
		90,7	93,2	93,9	95,0	95,5	96,4	97,5	99,1	100,4	102,6	103,9	105,9	106,2	106,2			160,4
		97,6	102,5	103,7	106,3	106,1	106,9	107,9	109,3	110,5	111,8	112,0	112,7	111,1	110,2			161,7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50% DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV: ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0)	(0)	(0)
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	54.8	56.1	60.3	60.0	61.9	62.9	66.4	68.3	70.8	73.1	72.0	75.9	76.1	72.8			
SIDELINE 2400 FT	63	55.9	58.4	60.5	60.3	61.2	63.3	66.0	67.1	68.4	69.7	70.4	75.0	75.6	71.4			
(734.52 M)	80	56.3	59.2	60.6	60.2	62.2	62.9	65.9	67.5	69.6	69.9	73.1	75.3	74.6	72.2			
NFA 0, RPM	100	55.8	60.6	60.9	61.9	63.4	63.8	65.6	68.4	69.2	72.1	73.9	73.7	71.8	69.9			
(0, RAD/SEC)	125	56.7	60.9	60.7	61.2	62.8	64.7	66.8	67.8	69.4	71.9	72.6	72.2	69.5	64.9			
NFK 0, RPM	160	54.9	57.6	60.1	61.2	62.7	64.6	67.7	68.1	69.1	71.6	72.6	72.9	67.9	60.3			
(0, RAD/SEC)	200	53.5	58.9	59.8	61.8	63.1	64.8	66.4	67.8	68.9	70.3	72.2	70.1	64.8	56.7			
NFD 0, RPM	250	54.2	56.8	59.0	62.5	64.1	64.9	65.5	66.9	68.1	69.0	70.1	68.7	62.0	54.8			
(0, RAD/SEC)	315	52.3	56.7	60.2	60.9	61.8	63.1	65.0	66.3	67.0	68.5	68.7	66.8	59.6	52.4			
AIRFLOW RATIO	400	51.5	56.6	59.4	61.3	62.5	63.8	65.1	66.6	66.8	68.0	68.3	65.8	59.2	52.2			
WE/WM 8.00	500	49.5	55.2	58.4	61.6	62.5	64.0	65.4	66.3	67.5	68.2	67.3	65.3	58.9	52.0			
	630	49.4	55.4	58.8	60.9	62.3	64.0	65.7	67.3	68.3	69.6	68.4	66.0	59.9	53.0			
	800	48.9	55.9	58.8	61.6	63.4	65.2	65.6	67.4	68.0	68.9	68.7	66.0	60.5	54.1			
VEHICLE JENOTS	1000	46.9	55.2	58.9	61.7	63.5	65.6	66.0	67.2	67.5	68.6	67.3	64.9	59.3	53.5			
CONFIG JE-059	1250	44.7	54.3	58.5	61.5	63.6	64.9	64.4	66.8	66.7	67.7	65.9	63.4	57.2	50.1			
LOC EVENDALE	1600	40.8	51.8	56.6	59.8	62.4	63.3	64.1	64.7	64.7	65.6	63.3	60.3	53.5	44.6			
DATE 05-07-75	2000	35.8	47.7	52.8	59.8	59.6	60.9	61.7	62.7	62.5	62.5	60.0	56.5	49.0	38.6			
RUN DBTF-MODEL 1	2500	28.8	42.5	47.8	51.6	54.5	56.3	57.2	58.7	59.4	58.1	55.0	51.1	42.5	29.4			
TAPE X10110	3150	19.0	35.0	41.8	46.0	48.6	51.2	52.4	53.3	53.1	52.5	47.4	42.7	33.5	16.3			
FAN TIP SPEED	4000	4.6	23.6	31.3	36.9	39.6	43.7	44.5	46.0	44.3	43.4	38.2	31.9	20.2				
FT/SEC	5000		16.3	25.0	30.7	33.6	36.4	37.8	39.5	38.2	36.0	29.4	23.6	11.2				
	6300		0.1	10.3	16.6	21.8	24.7	27.1	27.7	25.8	23.4	15.5	9.9					
	8000				2.1	7.0	9.3	12.9	12.6	9.2	5.8							
OVERALL CALCULATED	10000																	
PND8		65.3	69.5	71.7	73.5	75.0	76.4	78.0	79.4	80.5	82.1	82.5	83.4	81.7	78.2			
		66.0	72.9	76.8	80.5	84.8	83.3	84.4	85.6	86.0	86.9	85.8	84.2	79.2	73.7			

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE 7 MONTH 54 DAY 0 HR 0.8
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY 4 JENOTS)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL	
REV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)		
NO EGA	50	79.4	78.5	82.1	80.7	81.9	82.5	84.6	87.6	90.1	92.8	93.0	96.8	101.2	100.4				152.1	
RDG, NO, 0	63	81.1	81.6	81.6	80.8	81.7	82.6	85.5	87.0	88.7	90.2	92.5	99.4	101.1	99.8				151.8	
RADIAL 320 FT	80	81.3	81.7	81.9	80.4	82.2	82.2	85.3	87.4	89.2	90.2	93.9	98.3	100.1	99.5				151.4	
(98, M)	100	80.7	83.4	82.1	82.5	83.8	83.3	85.4	88.4	89.5	92.3	94.7	97.0	96.7	98.2				150.5	
VEHICLE JENOTS	125	81.8	85.1	82.3	82.2	83.0	84.4	86.2	88.1	89.9	92.3	94.0	95.7	94.4	92.4				149.2	
CONFIG JE-059	160	80.5	81.2	82.4	82.0	83.2	84.4	87.9	87.4	88.7	91.4	94.6	95.5	92.7	88.7				148.8	
LOC EVENDALE	200	79.0	83.0	82.4	83.0	83.8	85.2	86.8	87.7	88.6	90.8	93.3	93.7	90.1	86.5				147.8	
DATE 05-07-73	250	80.8	81.1	82.0	84.2	85.5	85.9	86.3	87.3	88.5	90.1	92.2	92.8	88.9	85.0				147.2	
RUN DBTF-MODEL 1	315	79.8	81.8	83.8	83.5	84.4	85.2	86.2	87.9	88.8	90.6	91.5	91.7	87.4	84.5				147.0	
TAPE X10120	400	79.3	82.2	83.8	84.5	85.4	86.1	87.3	88.4	89.1	91.4	92.2	91.4	88.9	86.4				147.6	
BAR 29.3 HG	500	79.0	82.3	84.0	84.9	86.0	86.9	88.2	89.8	90.1	93.2	92.6	92.1	89.6	87.1				148.6	
(99009, N/M2)	630	80.1	83.3	84.9	85.9	86.8	88.1	89.6	91.6	92.6	95.6	95.0	94.7	91.8	89.7				150.8	
TAMB 69, DEG F	800	81.6	84.7	86.1	87.2	88.3	90.1	90.3	92.5	94.2	96.3	96.5	96.3	95.0	93.7				152.3	
(294, DEG K)	1000	82.0	85.8	87.3	88.6	89.8	90.9	90.5	93.0	94.8	97.4	97.7	98.0	95.9	96.2				153.5	
THET 55, DEG F	1250	82.8	86.2	87.7	89.0	90.5	91.2	91.3	93.8	94.9	97.7	97.4	98.0	96.5	96.8				153.9	
(286, DEG K)	1600	81.5	85.6	86.9	88.1	90.3	90.8	91.1	92.9	94.4	96.2	95.6	97.1	95.5	95.2				153.0	
HACT 0, G4/M3	2000	79.6	84.4	85.7	87.2	89.7	90.2	91.0	92.3	93.3	95.0	94.4	95.9	94.4	94.5				152.3	
(, KG/M3)	2500	76.6	82.1	83.6	85.6	86.9	87.8	88.7	90.2	91.9	93.1	92.3	93.5	92.1	92.4				150.5	
FREQ, SHIFT	3150	74.3	80.5	81.5	83.7	84.9	85.4	86.6	88.3	89.1	90.6	88.8	90.0	90.1	89.8				148.4	
JET 9	4000	70.0	76.8	78.1	79.6	80.7	82.5	84.0	85.5	86.4	87.3	86.2	88.8	86.6	85.3				146.0	
DIAMETER RATIO	5000	68.1	74.8	75.8	77.3	77.9	78.4	79.9	82.0	83.4	83.9	81.9	82.8	83.2	82.5				142.9	
DF/DH 8.00	6300	65.4	71.4	72.4	73.9	74.3	74.9	76.4	78.6	78.8	81.5	79.0	79.4	80.5	78.9				140.8	
OVERALL CALCULATED	8000	65.1	68.3	69.2	70.9	71.4	71.4	73.7	75.5	75.7	80.8	76.9	77.6	79.5	77.4				140.7	
PND8	10000	65.9	66.0	65.8	67.0	69.3	69.4	71.2	71.9	70.8	82.5	76.6	77.8	80.1	77.5				143.2	
		93.3	96.2	97.2	98.1	99.5	100.4	101.3	103.1	104.4	105.7	107.2	108.9	108.6	107.9				163.9	
		102.6	106.7	107.8	109.2	110.7	111.9	112.5	115.1	115.4	117.3	118.6	118.1	116.9	116.3				163.2	

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0)	(0)	(0)
SPL INPUT AT STD REV, ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA		50	55.6	56.9	62.0	61.7	63.7	64.7	66.9	69.8	71.8	73.9	73.0	77.2	77.4	73.1		
SIDELINE 2400 FT (731.52 M)		63	57.1	59.9	61.5	61.8	63.5	64.8	67.8	69.1	70.4	71.2	72.4	77.7	77.1	72.4		
NFA 0 RPM		80	57.3	60.0	61.8	61.4	63.9	64.4	67.6	69.5	70.9	71.2	73.8	76.6	76.1	72.0		
NFK 0 RAD/SEC		100	56.5	61.6	61.9	63.4	65.4	65.3	67.6	70.4	71.2	73.1	74.5	75.2	72.5	70.4		
NED 0 RPM		125	57.5	63.2	61.9	63.0	64.6	66.4	68.3	70.1	71.4	73.1	73.6	73.7	70.0	64.4		
NFK 0 RAD/SEC		160	55.9	59.1	61.9	62.7	64.7	66.3	69.9	69.3	70.1	72.1	74.1	73.4	68.1	60.3		
NED 0 RPM		200	54.2	60.6	61.8	63.5	65.1	67.0	68.7	69.5	69.9	71.3	72.7	71.4	65.3	57.7		
NFK 0 RAD/SEC		250	53.7	58.5	61.2	64.5	66.6	67.5	68.0	68.9	69.6	70.5	71.3	70.2	63.7	55.8		
NED 0 RPM		315	54.3	58.9	62.7	63.6	65.3	66.6	67.8	69.3	69.7	70.7	70.4	68.8	61.9	54.6		
NFK 0 RAD/SEC		400	53.2	58.9	62.4	64.3	66.0	67.3	68.6	69.6	69.8	71.2	70.8	68.1	62.7	55.7		
AIRFLOW RATIO		500	52.2	58.4	62.2	64.6	66.3	67.7	69.2	70.6	70.5	72.7	70.8	68.3	62.9	55.4		
WF/HM 8.00		630	52.4	58.9	62.8	64.9	66.8	68.6	70.2	72.0	72.6	74.6	72.6	70.2	64.2	56.7		
		800	52.9	59.4	63.0	65.6	67.6	70.0	70.4	72.4	73.5	74.7	73.4	71.0	66.3	59.1		
VEHICLE JENOTS		1000	51.9	59.5	63.4	66.2	68.5	70.1	70.0	72.2	73.5	75.1	73.8	71.7	65.8	59.5		
CONFIG JE*039		1250	51.0	58.6	62.7	65.8	68.3	69.6	69.9	72.3	72.7	74.4	72.4	70.4	64.7	57.6		
LOC EVENDALE		1600	47.3	56.1	60.4	63.5	66.9	68.1	68.6	70.2	71.0	71.8	69.1	67.6	61.3	52.3		
DATE 05-07-75		2000	42.5	52.7	57.3	61.0	64.8	66.1	67.2	68.2	68.5	68.8	68.0	64.2	57.3	47.4		
RUN DBTF=MODEL 1		2500	35.3	47.2	52.6	57.1	60.0	61.8	62.9	64.2	64.9	64.6	61.3	58.6	50.8	38.9		
TAPE X10120		3150	26.3	40.3	46.3	51.5	54.0	56.2	57.7	59.1	58.8	58.5	53.6	50.0	42.0	26.3		
FAN TIP SPEED		4000	11.9	29.1	36.6	41.9	45.4	48.5	50.5	51.5	51.1	49.6	44.7	39.1	28.5	6.7		
FT/SEC		5000	4.1	22.6	30.5	36.4	39.6	41.7	43.6	45.3	45.2	43.0	36.7	30.6	19.2			
		6300		6.1	16.3	23.6	27.5	30.0	32.1	33.7	32.0	31.2	23.0	18.2				
		8000				6.1	11.5	14.1	17.1	18.1	15.7	16.1	4.3					
OVERALL CALCULATED		10000	66.8	71.7	74.3	76.2	78.4	79.8	81.2	82.8	83.6	85.1	84.8	85.3	83.2	78.6		
PNDB			68.8	76.5	80.4	83.3	86.1	87.6	88.8	90.2	90.9	91.8	90.1	88.8	83.2	76.1		

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OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS

PROC. DATE - MONTH 29 DAY 0 HR: 0:8
DATA {59: DEG. F, 70 PERCENT REL. HUM, DAY -- JENOTS}

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
REV: ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)		
NO EGA	50	81.7	80.2	83.6	82.4	84.2	84.7	86.3	88.8	91.1	94.3	93.8	99.8	103.2	102.1					153.6
RDG. NO. 0	63	82.6	83.3	84.1	83.0	84.0	85.4	87.5	89.0	90.9	92.2	94.5	101.1	103.6	100.3					153.7
RADIAL 320 FT.	80	82.6	83.9	84.7	83.4	84.7	85.0	87.6	89.1	91.4	92.7	95.9	99.8	101.6	99.8					152.9
(98 M)	100	82.2	85.9	84.4	85.3	85.8	86.0	87.9	90.4	91.5	95.0	97.2	99.3	98.5	99.0					152.5
VEHICLE JENOTS	125	83.8	88.6	85.0	84.9	85.5	86.7	88.4	89.8	91.6	94.8	96.2	97.2	95.9	93.4					151.2
CONFIG JE-059	160	82.7	84.2	84.9	84.8	86.2	86.9	89.7	90.2	91.2	94.1	96.6	97.7	93.7	89.9					151.0
LOC EVENDALE	200	82.5	85.7	85.2	83.7	86.6	87.7	89.3	90.0	91.3	93.7	95.6	95.7	92.1	88.2					150.2
DATE 05-07-75	250	83.6	84.6	85.0	87.7	88.5	88.6	88.8	90.1	91.7	93.6	94.7	95.0	91.3	88.0					150.0
RUN DBTF-MODEL 1	315	82.6	85.1	86.8	86.2	87.4	88.2	89.5	91.2	92.3	94.3	94.5	94.7	90.4	88.2					150.2
TAPE X10130	400	83.1	85.4	87.3	88.2	88.9	89.1	90.3	91.2	92.6	95.6	95.4	94.9	92.1	89.4					151.1
BAR 29.3 HG	500	82.2	85.7	86.8	88.6	89.4	90.6	91.4	93.2	94.3	97.4	96.3	95.6	92.8	90.3					152.3
(99043; N/M2)	630	83.5	86.6	88.2	89.9	90.1	91.1	92.8	94.6	96.6	98.8	98.5	97.7	95.0	93.4					154.3
TAMB 70; DEG F	800	84.9	87.7	89.1	91.2	91.7	93.3	93.5	95.7	97.7	100.8	100.0	99.8	97.9	96.9					155.9
(294; DEG K)	1000	85.7	88.8	90.3	92.3	93.0	93.8	94.7	96.7	98.8	101.9	101.2	101.5	99.4	99.6					157.3
THET 57; DEG F	1250	87.2	88.9	90.7	92.7	94.2	93.8	94.9	97.2	99.3	101.9	101.6	102.2	100.6	101.5					157.9
(287; DEG K)	1600	86.7	89.7	91.6	93.3	94.4	94.9	95.0	97.1	98.8	101.1	100.8	101.2	100.7	101.3					157.7
HACT 0; GM/M3	2000	85.5	89.6	90.8	92.2	93.6	93.8	94.2	96.2	97.2	98.9	98.8	99.8	99.3	100.7					156.5
(1; KG/M3)	2500	83.0	88.8	89.5	90.8	91.3	91.8	92.6	93.7	95.8	96.8	96.2	97.4	97.0	97.3					154.6
FREQ. SHIFT	3150	80.5	87.7	89.5	90.8	90.8	90.8	91.0	91.5	93.0	94.0	93.0	94.6	94.2	94.2					152.9
JET 9	4000	76.7	83.8	85.6	87.5	87.6	89.1	88.2	89.4	89.3	91.2	90.2	91.0	91.3	90.7					150.6
DIAMETER RATIO	5000	73.8	80.2	82.7	84.3	84.6	85.4	85.1	86.2	86.6	87.6	86.3	87.5	88.2	87.9					147.7
DE/DH 8:00	6300	69.9	76.1	78.3	79.9	80.3	81.6	82.4	83.3	83.0	85.4	82.9	84.7	85.3	84.4					145.7
OVERALL CALCULATED	8000	67.6	72.3	74.7	76.4	76.2	78.7	79.9	81.0	80.5	83.4	79.9	81.6	82.8	81.4					144.9
PND8	10000	67.4	68.0	69.8	71.8	72.5	78.4	79.7	79.6	77.8	83.8	78.4	80.9	82.1	79.8					146.6
		107.3	111.7	113.1	114.5	114.9	115.5	116.2	117.7	119.1	121.1	120.7	121.7	120.9	121.0					148.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD REV: ALPHA 12/73		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0)	(0)	(0)
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	30	57.8	58.6	63.5	63.5	65.9	66.9	68.7	71.0	72.8	75.4	73.7	78.2	79.4	74.8			
SIDELINE 2400' FT. (731.32 M)	63	58.6	61.7	64.0	64.0	65.7	67.3	69.8	71.1	72.7	73.2	74.4	79.5	79.6	72.9			
NFA 0 RPM	80	58.5	62.2	64.6	64.4	66.4	67.1	69.9	71.2	73.1	73.7	75.8	78.1	77.6	72.2			
(0 RAD/SEC)	100	58.0	64.1	64.2	66.1	67.4	68.1	70.1	72.4	73.2	75.9	77.0	77.4	74.3	71.2			
NFK 0 RPM	125	59.5	66.7	64.7	65.7	67.1	68.7	70.5	71.8	73.2	75.7	75.9	75.2	71.5	65.4			
(0 RAD/SEC)	160	58.2	62.1	64.4	65.5	67.7	68.8	71.7	72.1	72.6	74.8	76.1	75.6	69.1	61.6			
NFD 0 RPM	200	57.7	63.4	64.5	66.3	67.9	69.5	71.2	71.7	72.6	74.3	75.0	73.4	67.3	59.5			
(0 RAD/SEC)	250	58.5	62.0	64.2	68.0	69.6	70.2	70.5	71.7	72.9	74.0	73.8	72.4	66.2	58.8			
NFD 0 RPM	315	57.0	62.2	65.7	66.3	68.3	69.6	71.0	72.6	73.2	74.5	73.4	71.8	64.9	58.4			
(0 RAD/SEC)	400	57.0	62.1	65.9	68.1	69.5	70.3	71.6	72.3	73.2	75.5	74.0	71.6	66.0	58.7			
AIRFLOW RATIO	500	55.5	61.9	64.9	68.1	69.8	71.4	72.4	74.1	74.7	76.9	74.5	71.8	66.1	58.6			
WF/WF 8.00	630	55.9	62.1	65.8	68.9	70.0	71.6	73.4	75.0	76.5	78.8	76.1	73.2	67.4	60.4			
	800	56.1	62.3	66.0	69.6	71.1	73.2	73.6	75.6	77.0	79.2	76.5	74.5	69.2	62.3			
VEHICLE JENOTS	1000	55.6	62.4	66.3	69.9	71.7	73.1	74.2	75.9	77.4	79.5	77.2	75.1	69.3	63.0			
CONFIG JE=059	1250	55.4	61.3	65.7	69.4	72.0	72.3	73.6	75.7	77.2	78.6	76.6	74.5	68.8	62.3			
LOC EVENDALE	1600	52.5	60.2	65.1	68.7	71.1	72.2	72.5	74.4	75.4	76.5	74.2	71.7	66.5	58.5			
DATE 05-07-75	2000	48.4	57.9	62.5	66.0	68.8	69.5	70.4	72.1	72.4	72.7	70.4	68.1	62.2	53.5			
RUN DBTF=MODEL 1	2500	41.7	53.9	58.5	62.3	64.4	65.7	66.9	67.6	68.9	68.3	65.2	62.5	55.7	43.9			
TAPE X10130	3150	32.5	47.7	54.2	58.6	60.5	61.6	62.1	62.3	62.7	61.9	57.8	54.6	46.2	30.7			
FAN TIP SPEED	4000	18.6	36.0	44.0	49.8	52.3	55.1	54.6	55.4	54.0	53.6	48.6	43.3	33.2	12.1			
FT/SEC	5000	9.8	28.0	37.5	43.4	46.3	48.6	48.8	49.5	48.4	46.7	41.1	35.3	24.2	0.6			
	6300		10.8	22.3	29.6	33.5	36.7	38.1	38.4	36.2	35.1	26.9	19.4	4.1				
	8000			2.1	11.7	16.2	21.4	23.4	23.7	20.5	18.6	7.3						
	10000					3.7	6.1	6.1	4.9									
OVERALL CALCULATED		69.4	74.7	77.3	79.8	81.7	82.9	84.2	85.7	86.9	88.7	87.6	87.5	85.3	79.8			
PND8		73.1	80.5	84.6	87.9	90.1	91.4	92.2	93.8	94.7	96.0	94.1	92.5	87.0	79.2			

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F; 70 PERCENT REL, HUM, DAY - JENOTS)

		PROC, DATE 1 MONTH 98 DAY 0 HR, 0.8																PHL		
		DATA (59, DEG, F; 70 PERCENT REL, HUM, DAY - JENOTS)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,		
		FREQ,																		
SPL INPUT AT STD		50	84.4	72.5	76.3	74.9	86.2	87.2	88.8	91.1	93.3	96.1	96.0	101.8	106.0	104.1			155.9	
REV, ALPHA 12/73		63	85.3	75.8	77.1	75.5	86.7	87.6	89.7	91.5	93.2	95.4	97.5	103.1	105.1	102.1			155.7	
NO EGA		80	85.1	76.4	76.9	75.7	86.9	87.2	90.3	91.6	94.2	95.2	98.9	102.3	103.6	101.8			155.2	
RDG, NO, 0,		100	85.2	78.7	77.4	77.5	88.5	88.5	90.7	92.9	94.3	97.8	99.2	101.3	100.7	100.2			154.6	
RADIAL 320, FT,		125	86.6	81.1	78.3	77.4	88.3	89.7	91.7	92.6	95.1	97.6	99.2	98.9	98.1	95.7			153.6	
(98, M)		160	85.7	76.9	77.9	77.8	88.5	89.7	92.9	93.2	94.4	97.9	99.3	99.7	95.9	92.7			153.6	
VEHICLE JENOTS		200	85.3	78.5	78.4	78.7	89.8	91.0	92.0	93.5	94.6	97.2	98.1	98.0	95.1	91.0			152.9	
CONFIG JE-039		250	86.8	77.3	77.5	80.2	91.2	91.6	92.3	93.8	95.0	97.6	98.2	98.0	94.8	91.3			153.2	
LOC EVENDALE		315	85.8	78.3	79.3	79.2	90.4	91.2	93.0	94.2	95.8	98.3	97.8	97.4	94.4	91.7			153.3	
DATE 05-07-75		400	86.1	78.9	80.0	80.7	91.6	92.6	93.8	95.2	96.3	98.6	98.4	98.1	96.1	93.2			154.3	
RUN DBTF=MODEL 1		500	86.0	78.7	80.0	81.1	92.4	93.4	94.7	96.5	97.8	100.9	99.3	98.8	96.6	94.1			155.4	
TAPE X10140		630	86.5	79.6	80.4	81.9	93.1	94.4	96.1	97.6	99.9	102.5	100.5	100.9	98.8	96.6			157.0	
BAR 29.3 HG		800	88.4	80.4	81.6	83.7	94.7	96.1	97.0	99.2	100.9	103.8	102.5	102.8	100.9	99.4			158.7	
(99043, N/M2)		1000	89.5	82.0	82.8	84.3	96.0	96.8	97.5	100.2	102.3	104.6	104.2	105.0	103.1	102.9			160.3	
TAMB 69, DEG F		1250	91.0	83.4	83.9	86.0	97.2	97.6	97.9	100.7	103.1	105.4	104.8	105.4	104.6	104.7			161.2	
(294, DEG K)		1600	90.7	85.0	84.8	85.8	96.7	97.2	98.2	100.1	101.8	103.6	103.3	104.7	103.2	103.3			160.2	
TWET 55, DEG F		2000	90.0	85.6	85.6	85.7	97.1	96.6	97.5	99.2	100.2	101.6	101.9	103.1	101.8	101.7			159.1	
(286, DEG K)		2500	88.2	85.0	85.5	87.0	96.6	95.5	95.6	96.7	98.8	99.3	98.7	100.4	99.2	98.5			157.2	
HACT 0, GH/M3		3150	84.5	81.5	82.7	84.6	95.1	95.1	94.2	95.0	95.7	96.8	95.2	97.1	96.5	95.7			155.3	
(1, KG/M3)		4000	79.5	77.0	77.3	79.8	90.3	92.1	91.4	91.9	91.5	93.2	92.7	94.5	94.1	91.7			152.8	
FREQ, SHIFT		5000	76.3	74.2	74.2	76.5	86.8	86.6	87.6	88.5	89.1	90.1	89.3	90.5	90.4	89.2			149.6	
JET 9		6300	72.1	70.1	71.1	73.1	82.5	83.3	84.1	85.3	85.0	87.2	86.7	88.7	89.3	86.9			148.0	
DIAMETER RATIO		8000	68.8	66.8	67.7	69.9	80.2	80.2	81.2	82.5	82.2	85.1	85.7	87.1	89.1	86.1			148.2	
DE/DM 8.00		10000	67.9	65.2	65.8	67.0	78.8	78.6	80.2	80.6	79.3	85.1	86.9	88.9	88.9	86.6			150.8	
OVERALL CALCULATED		10003	94.0	94.4	95.5	106.4	106.9	107.8	107.8	109.6	111.3	113.6	113.3	114.6	114.1	112.9			170.0	
PND8		111.2	106.5	107.0	108.3	109.7	110.8	111.2	111.7	112.1	112.8	113.7	113.7	114.9	113.8	112.8			171.3	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,
		FREQ,	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(0,	(0,
SPL INPUT AT STD		REV, ALPHA 12/73	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
NO EGA		63	60,6	50,9	56,3	56,0	67,9	69,4	71,2	73,3	75,1	77,1	76,0	80,2	82,1	76,8	
SIDE LINE 2400, FT:		80	61,4	54,2	57,0	56,5	68,5	69,9	72,0	73,6	74,9	76,5	77,4	81,5	81,1	74,6	
(73,52 M)		100	61,0	56,8	57,2	58,4	70,1	70,6	72,9	74,9	75,9	78,6	79,0	79,4	76,5	72,4	
NFA 0, RPM		125	62,2	59,2	57,9	58,2	69,8	71,7	73,8	74,6	76,7	78,4	78,9	77,0	73,8	67,7	
0, RAD/SEC		160	61,2	54,8	57,4	58,5	69,9	71,6	74,9	75,1	75,9	78,6	78,9	77,6	71,4	64,3	
NEK 0, RPM		200	60,5	56,1	57,8	59,3	71,1	72,7	73,9	75,2	75,9	77,8	77,5	75,6	70,3	62,2	
0, RAD/SEC		250	61,7	54,8	56,7	60,5	72,4	73,2	74,0	75,4	76,1	78,0	77,3	75,4	69,7	62,0	
NFD 0, RPM		315	60,2	55,4	58,2	59,3	71,3	72,6	74,5	75,6	76,7	78,5	76,7	74,6	68,9	61,9	
0, RAD/SEC		400	60,0	55,6	58,6	60,6	72,3	73,8	75,1	76,3	77,0	79,5	77,0	74,8	70,0	62,5	
AIRFLOW RATIO		500	59,2	54,9	58,2	60,6	72,8	74,2	75,7	77,3	78,2	80,4	77,5	75,0	69,8	62,4	
WE/WH 0,100		630	58,9	55,1	58,0	60,9	73,0	74,8	76,7	78,0	79,8	81,5	78,1	76,5	71,2	63,7	
		800	59,6	55,1	58,5	62,1	74,1	76,0	77,1	79,1	80,3	82,2	79,4	77,5	72,2	64,8	
VEHICLE JENOTS		1000	59,4	55,7	58,6	61,9	74,7	76,1	76,9	79,4	80,9	82,3	80,2	78,6	73,0	66,2	
CONFIG JE=039		1250	59,2	55,8	58,9	62,7	75,0	76,0	76,6	79,2	80,9	82,1	79,8	77,8	72,8	65,5	
LOC EVENDALE		1600	56,5	55,5	58,3	61,2	73,3	74,5	75,8	77,4	78,4	79,0	76,7	75,2	69,0	60,5	
DATE 05-07-75		2000	52,9	53,9	57,2	59,5	72,3	72,5	73,6	75,1	75,4	75,4	73,6	71,4	64,7	54,5	
RUN DBTF=MODEL 1		2500	46,9	50,1	54,5	58,6	69,6	69,5	69,9	70,6	71,9	70,8	67,7	65,5	57,9	45,1	
TAPE X10140		3150	36,5	41,4	47,5	52,4	64,8	65,8	65,3	65,8	65,5	64,6	60,0	57,1	48,4	32,2	
PAN TIP SPEED		4000	21,3	29,3	35,8	42,1	55,0	58,1	57,9	57,9	56,2	55,6	51,1	46,8	35,9	13,1	
		5000	12,3	22,0	29,0	35,6	48,6	49,9	51,3	51,7	50,9	49,2	44,1	38,3	26,4	1,9	
		6300		4,8	15,0	22,8	35,7	38,4	39,8	40,4	38,2	36,9	30,7	23,4	8,1		
		8000				5,2	20,2	22,9	24,7	25,2	22,3	20,4	13,1	1,7			
		10000				0,5	0,5	3,9	6,6	5,9	1,0	0,2					
OVERALL CALCULATED			72,8	67,9	70,3	72,8	84,6	85,9	87,3	88,9	90,2	91,8	90,4	88,0	87,7	81,8	
PNDB			76,8	74,7	78,0	81,1	93,3	94,2	95,5	96,9	97,9	98,9	96,9	95,4	89,9	82,0	

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY, JENOTS)

SPL INPUT AT STD		PROC, DATE = MONTH 06 DAY 0 HR, 0.8																	PHL		
REV, ALPHA 12/73		DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY, JENOTS)																			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)			
RDG, NO.	01	50	86.7	74.5	78.3	76.9	88.4	89.0	90.8	93.1	95.6	98.3	99.0	104.5	108.5	105.6				158.2	
RADIAL 320, FT.	02	63	88.3	77.3	79.3	77.8	89.0	90.1	91.7	94.0	96.7	97.2	99.2	104.6	105.8	103.6				157.1	
(98, M)	03	80	88.1	78.9	79.2	77.7	89.4	89.5	92.6	93.9	96.4	97.9	101.4	104.1	105.4	103.0				157.2	
VEHICLE JENOTS	04	100	87.5	81.4	79.6	80.0	90.5	91.3	93.4	96.1	97.3	100.3	101.7	103.3	102.0	101.7				156.8	
CONFIG JE=059	05	125	89.1	84.1	80.3	79.4	90.3	91.9	94.2	95.6	97.9	100.6	101.7	101.4	100.4	97.4				156.1	
LOC EVENDALE	06	160	88.2	79.9	80.6	80.3	91.0	92.4	95.2	95.7	97.4	100.9	102.3	102.2	98.2	94.9				156.3	
DATE 03-07-75	07	200	88.0	81.5	80.7	80.5	92.1	93.2	95.3	96.7	97.8	101.0	101.6	100.5	97.6	93.5				156.0	
RUN DBTF=MODEL 1	08	250	89.6	79.8	80.0	82.7	93.5	94.4	95.3	96.6	98.7	100.9	101.4	101.0	98.1	94.0				156.3	
TAPE X10150	09	315	88.6	80.6	81.8	81.5	92.9	93.9	95.5	96.7	99.3	101.8	101.3	100.7	97.7	94.5				156.5	
BAR 29.3 HG	10	400	89.1	80.9	82.0	83.5	94.1	95.1	96.8	97.7	99.6	102.1	101.7	101.4	98.6	95.4				157.2	
(99043, N/M2)	11	500	88.2	81.0	82.3	83.6	95.2	96.1	97.2	98.7	101.1	103.2	102.3	101.8	99.3	97.1				158.1	
TAMB 69, DEG F	12	630	89.8	82.1	82.7	83.9	95.3	97.1	98.6	100.6	102.6	104.5	103.8	103.4	101.8	99.6				159.7	
(294, DEG K)	13	800	90.6	83.2	83.6	85.3	96.5	97.8	99.3	101.2	103.9	103.8	105.2	105.1	104.2	101.9				161.1	
TWET 55, DEG F	14	1000	91.7	84.5	85.0	86.3	97.5	98.8	100.5	102.2	104.5	106.6	106.2	106.2	105.4	104.1				162.2	
(286, DEG K)	15	1250	92.7	86.7	86.4	87.5	97.7	98.8	100.2	103.0	105.1	106.9	107.3	106.7	106.4	104.5				162.9	
HACT 0, GM/M3	16	1600	93.4	89.2	89.1	89.0	98.4	98.7	100.5	102.6	104.0	105.6	106.0	106.5	105.2	103.3				162.3	
(1, KG/M3)	17	2000	92.8	89.8	90.3	89.9	100.1	99.1	99.7	100.7	102.5	103.4	103.8	104.6	103.1	101.2				160.9	
FREQ, SHIFT	18	2500	90.0	86.8	88.0	89.3	99.6	98.3	97.9	98.9	100.3	101.0	101.4	101.7	100.5	98.5				159.2	
JET 9	19	3150	86.3	83.0	84.0	85.8	96.8	96.8	96.2	97.0	98.0	98.8	98.2	98.6	97.7	95.2				157.2	
DIAMETER RATIO	20	4000	81.7	79.0	79.6	81.3	91.3	93.6	93.4	94.4	93.8	96.2	94.9	95.3	94.6	91.7				154.7	
DF/DH 8.00	21	5000	78.5	75.7	77.7	78.8	89.1	88.9	89.1	90.2	91.1	92.4	91.6	92.7	91.9	88.7				151.6	
OVERALL CALCULATED	22	6300	74.6	72.6	74.1	75.4	85.0	85.8	86.1	87.0	87.5	88.9	88.7	90.4	90.3	86.6				149.8	
PND8	23	8000	70.8	69.3	70.7	71.9	82.2	81.7	82.9	84.3	84.5	86.9	87.2	88.6	89.1	85.9				149.5	
	24	10000	68.6	66.5	67.3	68.3	80.5	80.1	80.9	82.1	81.3	86.3	87.1	89.6	89.6	86.6				151.7	
	25		102.7	97.0	97.3	97.9	108.5	109.0	110.2	111.9	113.8	115.8	116.0	116.5	116.1	113.9				172.1	
	26		113.7	109.2	109.8	110.6	121.1	121.0	121.5	122.8	124.3	126.0	126.1	126.7	125.5	123.2				1.3	
	27																			173.4	

☆ ☆ ☆

☆ 10 dB too LOW

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0)	(0)	(0)	
SPL INPUT AT STD		REV: ALPHA 12/73	FREQ: (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA		50	62.8	52.9	58.3	58.0	70.2	71.2	73.2	75.3	77.3	79.4	79.0	82.9	84.6	78.3	-	-	-
SIDELINE 2400 FT		63	64.4	55.7	59.2	58.8	70.7	72.3	74.0	76.1	77.4	78.2	79.1	83.0	81.9	76.1	-	-	-
(731.92 M)		80	64.0	57.2	59.1	58.7	71.2	71.6	74.9	76.0	78.1	78.9	81.3	82.3	81.4	75.5	-	-	-
NFA 0 RPM		100	63.3	59.6	59.4	60.9	72.1	73.3	75.6	78.2	78.8	81.1	81.5	81.4	77.8	73.9	-	-	-
(0 RAD/SEC)		125	64.7	62.2	59.9	60.2	71.8	73.9	76.3	77.6	79.4	81.4	81.4	79.5	76.0	69.4	-	-	-
NFK 0 RPM		150	63.7	57.8	60.1	61.0	72.4	74.3	77.2	77.6	78.9	81.6	81.9	80.1	73.6	66.6	-	-	-
(0 RAD/SEC)		200	63.2	59.1	60.0	61.0	73.4	75.0	77.2	78.5	79.1	81.5	81.5	78.1	72.8	64.7	-	-	-
NFD 0 RPM		250	64.5	57.3	59.2	63.0	74.6	76.0	77.0	78.2	79.9	81.2	80.6	76.4	73.0	64.8	-	-	-
(0 RAD/SEC)		315	63.0	57.7	60.7	61.6	73.8	75.3	77.0	78.1	80.2	82.0	80.2	77.8	72.1	64.6	-	-	-
AIRFLOW RATIO		400	63.0	57.6	60.6	63.3	74.8	76.3	78.1	78.8	80.2	82.0	80.3	78.1	72.5	64.7	-	-	-
WF/WM 8.00		500	61.5	57.2	60.4	63.1	75.5	76.9	78.2	79.6	81.4	82.7	80.5	78.0	72.6	65.4	-	-	-
		630	62.2	57.6	60.3	62.9	75.2	77.6	79.2	81.0	82.5	83.5	81.4	79.0	74.2	66.7	-	-	-
		800	61.8	57.8	60.5	63.8	75.8	77.7	79.3	81.1	83.3	84.2	82.1	79.7	75.4	67.3	-	-	-
VEHICLE JENOTS		1000	61.6	58.2	61.1	63.9	76.2	78.1	79.9	81.4	83.2	84.3	82.2	79.9	75.3	67.5	-	-	-
CONFIG JE-059		1250	60.9	59.0	61.4	64.2	75.5	77.3	78.9	81.4	82.9	83.6	82.3	79.0	74.6	65.3	-	-	-
LOC EVENDALE		1600	59.2	59.7	62.6	64.4	75.1	76.0	78.0	79.9	80.6	81.0	79.5	77.0	71.0	60.5	-	-	-
DATE 05-07-75		2000	55.7	58.1	62.0	63.7	75.3	75.0	75.9	76.6	77.7	77.2	75.4	72.9	66.0	54.0	-	-	-
RUN DBTF-MODEL 1		2500	48.7	51.9	57.0	60.8	72.6	72.2	72.1	72.9	73.4	72.5	70.4	66.8	59.2	45.1	-	-	-
TAPE X10150		3150	38.2	42.9	48.7	53.6	66.5	67.6	67.3	67.8	67.7	66.6	63.0	58.6	49.7	31.7	-	-	-
FAN TIP SPEED		4000	23.6	31.3	38.3	43.8	56.0	59.6	59.9	60.4	58.5	58.6	53.4	48.5	36.4	13.1	-	-	-
FT/SEC		5000	14.5	23.5	32.5	37.9	50.8	52.1	52.8	53.5	52.9	51.5	46.4	40.6	27.9	1.4	-	-	-
		6300		7.3	18.0	25.1	38.2	40.9	41.8	42.1	40.7	38.6	32.7	25.1	9.1		-	-	-
		8000				7.2	22.2	24.4	26.4	26.9	24.5	22.1	14.6	3.2			-	-	-
		10000					2.2	5.4	7.3	7.4	3.0	1.4					-	-	-
OVERALL CALCULATED			73.1	70.7	72.9	74.9	86.7	88.1	89.8	91.4	92.9	94.2	93.1	92.2	89.7	83.4	-	-	-
PNDB			79.5	78.1	81.5	83.8	95.8	96.6	97.9	99.4	100.5	101.2	99.8	97.5	92.1	83.2	-	-	-

471

★ ★ ★

★ 10 dB TOO LOW

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG, F, 70 PERCENT REL, HUM, DAY - JENOTS)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PWL	
REV, ALPHA 12/73	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	
NO EGA	50	80,7	79,2	82,3	81,2	82,4	82,7	85,3	87,6	91,3	94,1	95,0	100,3	102,7	101,9					153,6
RDG, NO, 0	63	82,8	82,8	83,1	81,0	81,7	83,4	85,7	87,5	88,7	90,9	93,7	100,6	102,8	100,8					153,1
RADIAL 320, FT	80	83,3	82,9	82,9	81,4	82,9	83,5	85,8	87,6	91,2	91,9	96,4	101,1	102,4	102,0					153,7
(98, M)	100	82,2	84,7	82,9	83,3	84,0	83,8	86,2	88,6	90,3	93,5	96,5	99,0	99,0	100,7					152,3
VEHICLE JENOTS	125	83,1	84,4	83,3	82,7	83,3	84,9	86,9	88,6	90,6	93,6	96,2	97,2	96,8	95,7					150,9
CONFIG JE-059	160	81,5	81,9	82,4	82,5	83,5	84,7	87,9	88,4	90,4	93,1	96,6	97,7	94,7	91,2					150,3
LOC EVENDALE	200	79,8	83,2	82,2	83,0	83,8	85,2	86,8	88,2	89,8	92,5	95,1	95,0	92,1	88,2					149,0
DATE 05-07-75	250	80,8	80,6	81,5	83,9	84,5	84,6	86,3	87,8	89,7	91,4	93,7	93,8	89,6	87,0					148,0
RUN DBTF-MODEL 1	315	79,6	81,3	82,5	82,2	82,6	83,9	85,7	87,2	88,8	90,6	91,8	92,2	87,4	84,8					146,8
TAPE X10160	400	78,8	80,9	82,6	83,0	83,6	84,9	85,6	87,4	88,3	90,9	91,5	90,9	87,4	84,7					146,7
BAR 29,3 HG	500	78,2	80,8	82,0	83,1	84,0	85,1	86,4	88,3	89,1	91,0	91,6	90,4	87,1	85,1					147,0
(99043, N/M2)	630	78,6	81,8	82,4	83,7	83,8	85,9	87,3	89,3	90,1	93,3	92,8	92,4	89,3	87,2					148,5
TAMB 69, DEG F	800	79,1	82,7	83,6	84,7	85,8	87,4	88,0	90,0	90,9	93,3	94,0	93,3	92,0	91,0					149,5
(294, DEG K)	1000	79,3	83,8	84,8	85,6	87,1	88,1	88,5	90,2	91,6	93,4	94,0	94,0	92,2	91,9					150,0
THEY 53, DEG F	1250	79,0	83,7	85,2	86,3	88,0	88,2	88,3	90,6	91,7	93,2	93,4	93,3	91,7	91,8					150,0
(286, DEG K)	1600	77,3	83,1	84,9	86,1	87,8	88,0	88,6	89,7	90,6	92,5	92,4	92,6	91,0	90,4					149,5
HACT 0, GM/M3	2000	75,6	81,4	83,7	84,5	86,2	87,2	87,5	89,0	89,3	91,5	90,4	90,9	89,2	88,5					148,4
(1, KG/M3)	2500	72,3	79,1	81,3	82,6	83,9	84,3	85,5	87,2	88,6	89,6	88,3	88,8	87,1	86,6					146,7
FREQ, SHIFT	3150	69,3	77,5	79,0	80,2	80,9	82,2	83,1	85,3	86,3	86,9	85,3	85,3	84,3	82,8					144,6
JET 9	4000	65,8	73,6	75,1	76,3	76,9	79,2	79,8	81,7	82,9	83,8	82,2	81,8	80,9	79,0					142,0
DIAMETER RATIO	5000	63,1	71,0	72,0	74,3	74,4	74,9	76,1	78,3	78,9	80,7	78,4	78,0	77,5	76,2					138,9
DE/DM 8,08	6300	59,4	67,6	68,9	70,2	70,3	71,4	72,9	74,6	74,8	76,7	75,7	77,2	76,3	73,9					137,4
	8000	58,3	66,3	66,4	67,9	68,7	68,2	69,9	71,7	71,2	73,6	75,4	77,6	77,3	75,1					138,7
OVERALL CALCULATED	10000	58,1	65,5	65,3	65,8	68,8	68,1	70,4	70,1	68,0	82,3	76,8	79,6	79,3	76,8					143,0
PNDB	92,8	95,1	95,8	96,4	97,5	98,4	99,7	101,4	102,9	103,1	106,7	108,9	109,2	108,4						163,0
	99,9	104,5	106,0	106,8	109,0	109,0	109,9	111,6	112,9	114,8	114,5	115,3	113,8							164,3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, P, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.31)	(3.49)
NO EGA	50	56.8	57.6	62.3	62.2	64.2	64.9	67.7	69.8	73.1	75.1	75.0	78.9	78.9	74.6				
SIDELINE 2400, FT; (731.52 M)	63	58.9	61.2	63.0	62.0	63.5	65.5	68.0	69.6	70.4	72.0	73.6	79.0	78.9	73.4				
NFA 0, RPM	80	59.3	61.2	62.8	62.4	64.7	65.6	68.1	69.7	72.9	72.9	76.3	79.3	78.4	74.3				
NFK 0, RPM	100	58.0	62.0	62.7	64.1	65.6	65.8	68.4	70.7	71.9	74.4	78.2	77.2	74.8	72.9				
NFD 0, RPM	125	58.7	62.4	62.9	63.5	64.8	66.9	69.0	70.6	72.2	74.4	75.9	75.2	72.5	67.6				
NFE 0, RPM	160	56.9	59.8	61.9	63.2	64.9	66.6	69.9	70.3	71.9	73.8	76.1	75.6	70.1	62.8				
NFF 0, RPM	200	59.0	60.9	61.5	63.5	65.1	67.0	68.7	70.0	71.1	73.0	74.5	72.6	67.3	59.5				
NFG 0, RPM	250	59.7	58.0	60.7	64.3	65.6	66.2	68.0	69.4	70.9	71.8	72.8	71.2	64.5	57.8				
NFH 0, RPM	315	54.0	58.4	61.4	62.4	63.6	65.3	67.3	68.6	69.7	70.7	70.7	69.3	61.9	54.9				
NFI 0, RPM	400	52.7	57.6	61.1	62.8	64.3	66.0	66.9	68.6	69.0	70.7	70.0	67.6	61.2	54.0				
AIRFLOW RATIO	500	51.5	56.9	60.2	62.6	64.3	66.0	67.4	69.1	69.5	70.4	69.8	66.6	60.4	53.4				
WE/WK 8.00	630	50.9	57.4	60.0	62.7	63.8	66.3	67.9	69.8	70.1	72.3	70.4	68.0	61.7	54.2				
	800	50.4	57.4	60.5	63.1	65.1	67.2	68.1	69.9	70.3	71.7	70.9	68.0	63.3	56.4				
VEHICLE JENOTS	1000	49.2	57.5	60.9	63.2	65.7	67.4	68.0	69.5	70.2	71.1	70.0	67.7	62.1	55.3				
CONFIG JE-059	1250	47.2	56.1	60.2	63.0	65.8	66.6	66.9	69.0	69.5	69.9	68.4	65.6	59.9	52.6				
LOC EVENDALE	1600	43.0	53.6	58.4	61.3	64.4	65.3	66.1	67.0	67.2	67.8	65.8	63.1	56.8	47.6				
DATE 05-07-75	2000	38.5	49.7	55.3	58.3	61.3	63.1	63.7	65.0	64.5	65.3	62.0	59.2	52.0	41.4				
RUN DBTF-MODEL 1	2500	31.0	44.2	50.3	54.1	57.0	58.3	59.7	61.2	61.7	61.1	57.3	53.9	45.8	33.2				
TAPE X10160	3150	21.3	37.5	43.8	48.0	50.6	52.9	54.2	56.1	56.1	54.7	50.1	45.5	36.3	19.3				
FAN TIP SPEED	4000	7.6	29.9	33.6	38.7	41.6	45.2	46.2	47.7	47.6	46.1	40.7	34.1	22.7	0.5				
FT/SEC	5000		18.8	26.8	33.4	36.1	38.2	39.8	41.5	40.7	39.8	33.2	25.9	13.5					
	6300		2.3	12.8	19.8	23.5	26.5	28.6	29.7	28.0	26.4	19.7	11.9						
	8000				3.1	8.7	10.8	13.4	14.4	11.2	14.8	2.8							
OVERALL CALCULATED	10000	67.5	71.4	73.6	75.2	77.0	78.5	80.2	81.7	83.0	84.5	85.4	86.4	84.8	80.4				
PND8		67.9	74.8	78.8	81.5	83.9	85.3	86.6	87.9	88.6	89.5	88.5	87.2	82.6	76.7				

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, F, 70 PERCENT REL, HUM, DAY - JENOTS)

		PROC. DATE - MONTH 99 DAY 0 HR: 0.8																PWL		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,			
REV, ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)			
NO EGA		30	81.9	80.7	83.3	82.9	84.2	84.7	86.8	89.1	91.3	94.8	95.3	101.0	104.2	102.9	102.3	154.3		
RDG, NO. 0		63	84.3	84.3	84.6	83.0	84.0	85.4	87.2	89.5	91.2	92.7	95.5	102.9	105.3	102.3	102.3	155.3		
RADIAL 320, FT.		80	83.8	84.7	84.4	83.2	84.4	85.0	88.1	89.6	91.9	93.7	97.4	102.3	103.4	102.5	102.5	154.8		
(98, M)		100	83.5	85.9	84.9	84.8	85.8	85.8	87.9	90.4	92.3	95.0	98.0	100.8	101.0	101.2	101.2	153.8		
VEHICLE JENOTS		125	84.1	85.9	84.8	84.4	84.8	86.7	88.7	89.8	92.1	95.8	97.2	98.7	97.1	95.4	95.4	152.0		
CONFIG JE-059		160	82.7	83.9	84.1	84.3	85.2	86.7	89.9	89.7	91.2	94.6	97.8	99.2	94.9	91.7	91.7	151.8		
LOC EVENDALE		200	81.5	85.0	84.2	84.7	86.3	87.5	88.8	89.7	91.1	94.2	96.6	96.5	92.9	89.2	89.2	150.6		
DATE 05-07-75		250	82.3	83.3	84.0	86.2	86.7	87.6	88.5	89.3	90.7	92.9	95.2	95.0	90.9	87.3	87.3	149.6		
RUN DBTF-MODEL 1		315	81.3	83.8	85.5	84.7	85.9	86.7	88.2	89.7	91.3	92.8	93.5	93.4	89.2	86.0	86.0	148.9		
TAPE X10170		400	81.3	84.2	86.1	86.5	87.1	87.6	88.8	89.4	90.3	93.9	93.4	93.4	89.8	87.4	87.4	149.3		
BAR 29.3 HG		500	80.5	84.2	85.5	87.1	87.4	88.6	90.2	91.0	91.9	94.7	94.1	93.1	90.1	88.1	88.1	150.1		
(99043, N/M2)		630	81.8	85.1	86.4	87.9	88.6	89.6	91.6	93.3	94.6	96.5	96.0	95.7	92.6	90.4	90.4	152.1		
TAMB 67, DEG F		800	83.4	86.5	88.4	89.5	89.8	91.8	92.3	94.0	95.7	98.6	98.0	97.3	95.5	94.5	94.5	153.9		
(293, DEG K)		1000	84.0	88.3	89.1	90.3	91.3	92.6	93.3	95.5	96.8	99.9	99.2	99.3	97.4	97.7	97.7	155.4		
THET 54, DEG F		1250	85.5	87.7	89.5	90.8	92.5	92.6	93.3	95.6	97.7	99.7	99.4	100.0	98.5	98.8	98.8	155.9		
(285, DEG K)		1600	83.8	87.3	89.2	90.4	92.3	92.8	93.6	95.2	97.1	98.7	97.6	98.5	98.2	97.6	97.6	155.3		
HACT 0, GM/M3		2000	83.9	87.7	89.4	92.7	94.4	93.2	92.8	94.3	96.3	97.2	97.1	98.4	98.6	99.7	99.7	155.4		
(, KG/M3)		2500	80.3	85.6	87.5	90.4	90.6	90.6	90.7	92.5	94.1	95.3	94.7	96.2	95.5	96.6	96.6	153.2		
FREQ, SHIFT		3150	77.8	85.0	86.0	87.4	87.4	88.4	89.0	90.8	91.8	92.6	91.5	92.4	92.3	91.3	91.3	150.9		
JET 9		4000	74.2	81.8	83.1	84.8	84.9	85.7	86.7	88.4	88.6	90.0	88.4	89.5	89.6	88.5	88.5	148.9		
DIAMETER RATIO		5000	72.5	79.2	80.7	82.3	82.6	83.4	83.8	85.5	85.8	86.6	84.6	85.8	87.0	86.7	86.7	146.4		
DE/DH 8.00		6300	68.9	75.1	76.8	78.9	78.8	79.8	80.3	82.8	82.5	84.4	81.9	82.9	84.0	83.1	83.1	144.6		
OVERALL CALCULATED		8000	67.0	71.2	73.1	74.8	74.6	75.4	76.6	80.4	79.6	82.8	79.1	79.8	82.0	80.6	80.6	143.7		
PNDB		10000	67.1	67.4	68.2	70.2	71.7	71.6	73.4	79.6	77.0	83.5	77.8	78.8	81.1	78.5	78.5	145.2		
			95.7	98.5	99.6	100.9	102.0	102.5	103.5	105.1	106.8	109.0	109.5	111.5	111.7	110.6	110.6	166.3		
			105.8	109.7	111.1	113.1	114.2	114.2	114.7	116.4	117.8	119.6	119.3	120.5	120.0	119.8	119.8	167.6		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	58.1	59.1	63.3	64.0	65.9	66.9	69.2	71.3	73.1	75.9	75.2	79.4	80.4	75.6			
SIDELINE 2400' FT.	63	60.4	62.7	64.5	64.0	65.7	67.5	69.5	71.6	72.9	73.7	75.4	81.2	81.4	74.9			
(731.52 M)	80	59.8	63.0	64.3	64.2	66.2	67.1	70.4	71.7	73.6	74.7	77.3	80.6	79.4	75.0			
NFA 0, RPM	100	59.3	64.1	64.7	65.6	67.4	67.8	70.1	72.4	73.9	75.9	77.7	78.9	76.8	73.4			
NFA 0, RAD/SEC	125	59.7	63.9	64.4	65.2	66.3	68.7	70.8	71.8	73.7	76.4	76.9	78.7	72.8	67.4			
NFK 0, RPM	160	58.2	61.8	63.6	65.0	66.7	68.6	71.9	71.6	72.6	75.3	77.4	77.1	70.4	63.3			
NFK 0, RAD/SEC	200	56.7	62.6	63.5	65.3	67.6	69.2	70.7	71.5	72.4	74.8	76.0	74.1	68.1	60.5			
NFD 0, RPM	250	57.2	60.8	63.2	66.5	67.9	69.2	70.3	70.9	71.9	73.3	74.3	72.4	65.7	58.1			
NFD 0, RAD/SEC	315	55.7	60.9	64.4	64.8	66.8	68.1	69.8	71.1	72.2	73.0	72.4	70.6	63.6	56.1			
AIRFLOW RATIO	400	55.2	60.9	64.6	66.3	67.8	68.8	70.1	70.5	71.0	73.7	72.0	70.1	63.7	56.7			
WF/WM 8.00	500	53.7	60.4	63.7	66.6	67.8	69.5	71.2	71.8	72.2	74.2	72.3	69.3	63.3	56.4			
	630	54.2	60.6	64.0	66.9	68.5	70.1	72.2	73.8	74.5	75.6	73.6	71.2	64.9	57.4			
	800	54.6	61.1	65.3	67.9	69.1	71.7	72.3	73.9	75.0	76.9	74.9	72.0	66.7	59.8			
VEHICLE JENOTS	1000	53.9	62.0	65.1	67.9	70.0	71.9	72.7	74.7	75.5	77.6	75.3	72.9	67.3	61.0			
CONFIG JE-059	1250	53.7	60.1	64.5	67.5	70.3	71.1	71.9	74.0	75.5	76.4	74.4	72.4	66.7	59.6			
LOC EVENDALE	1600	49.5	57.8	62.6	65.8	68.9	70.1	71.1	72.5	73.7	74.1	71.1	69.1	64.0	54.8			
DATE 05-07-75	2000	46.7	56.0	61.1	66.5	69.6	69.1	69.0	70.2	71.5	71.0	68.7	66.7	61.5	52.6			
RUN DBTF=MODEL 1	2500	39.0	50.7	56.6	61.9	63.7	64.5	64.9	66.4	67.2	68.8	63.7	61.3	54.2	43.2			
TAPE X10170	3150	29.8	45.0	50.8	55.2	57.1	59.1	60.1	61.6	61.5	60.4	56.3	52.4	44.2	27.8			
FAN TIP SPEED	4000	16.1	34.1	41.6	47.1	49.6	51.7	53.2	54.4	53.3	52.3	46.9	41.8	31.5	9.9			
FT/SEC	5000	8.5	27.0	35.5	41.4	44.4	46.6	47.5	48.7	47.6	45.7	39.4	33.6	23.0				
	6300		9.8	20.8	28.6	32.0	34.9	36.1	37.9	35.7	34.1	25.9	17.6	2.8				
	8000			0.5	10.1	14.7	18.0	20.1	23.1	19.7	18.0	6.5						
	10000								5.1									
OVERALL CALCULATED		69.2	73.8	76.4	78.5	80.4	81.8	83.3	84.7	85.8	87.5	87.3	88.2	86.5	81.3			
PND8		71.4	78.8	83.0	86.9	89.4	90.1	91.0	92.3	93.4	94.3	92.4	91.0	85.9	79.0			

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE = MONTH 23 DAY 0 HR. 0.8
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA {59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS}

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
NO EGA	90	83.7	82.2	86.6	85.2	86.2	86.7	88.6	91.3	93.6	96.1	96.8	103.3	106.5	104.6					156.6
RDG. NO. 0	63	86.3	85.8	86.8	85.3	86.5	87.6	89.5	91.0	92.9	94.9	97.2	103.9	106.1	103.3					156.4
RADIAL 320. FT.	80	85.8	85.9	86.4	85.4	86.7	87.2	89.6	91.4	94.2	95.2	99.4	103.6	104.9	102.8					156.2
(98. M)	100	85.2	88.2	86.9	87.3	88.0	88.0	89.7	92.6	94.3	97.0	99.5	101.5	101.0	101.7					154.9
VEHICLE JENOTS	125	86.1	90.9	86.8	86.7	87.5	88.4	90.9	91.6	94.1	97.3	99.2	99.7	98.4	95.7					153.7
CONFIG JE-059	160	84.7	86.2	86.6	87.0	87.7	88.7	92.2	92.2	93.7	97.4	99.6	100.0	95.4	92.7					153.5
LOC EVENDALE	200	83.8	87.5	86.7	87.7	88.3	89.5	90.8	92.0	93.6	96.0	97.8	97.5	93.9	90.2					152.2
DATE 05-07-75	250	83.1	85.6	86.5	88.9	90.0	89.9	91.0	92.3	93.5	95.6	96.9	96.8	93.1	89.3					151.9
RUN DBTF-MODEL 1	315	84.8	87.1	88.3	88.0	89.1	89.7	91.0	93.2	94.3	96.1	96.3	96.2	92.4	89.0					151.9
TAPE X10180	400	84.6	87.2	88.5	89.5	90.1	90.9	91.5	93.2	94.3	97.1	96.4	96.6	93.8	90.4					152.6
BAR 29.3 HG	500	83.5	87.0	88.5	89.9	90.9	91.9	92.7	94.5	95.6	98.4	97.1	97.1	93.8	91.6					153.5
(99043, N/M2)	630	84.5	87.8	89.4	90.4	91.6	92.9	94.6	96.6	97.6	100.5	99.5	98.9	96.5	94.1					155.5
TAMB 70. DEG F	800	86.4	89.7	90.6	92.2	92.7	94.6	95.3	97.5	99.2	101.8	101.0	100.8	99.4	97.7					157.1
(294, DEG K)	1000	87.5	90.5	91.3	93.0	94.0	95.6	96.0	98.1	100.3	103.1	102.4	103.0	100.9	101.1					158.6
THET 57. DEG F	1250	89.0	91.7	91.9	94.2	95.4	95.8	96.4	99.0	101.1	103.4	102.8	103.4	102.4	102.7					159.4
(287, DEG K)	1600	88.2	92.2	92.6	93.8	94.9	95.4	96.2	98.6	99.5	101.6	102.0	103.0	102.2	101.8					158.8
HACT 0.1 GM/M3	2000	87.0	92.8	92.6	93.2	94.8	95.1	95.5	97.2	98.7	100.1	99.8	101.3	100.6	100.7					157.7
(, KG/M3)	2500	85.2	92.5	92.2	93.5	93.6	93.5	93.9	95.4	96.8	97.5	97.7	99.2	97.7	97.8					156.0
FREQ. SHIFT	3150	82.8	90.5	91.7	92.6	92.8	92.6	92.0	93.5	94.0	95.5	94.2	96.4	95.5	94.7					154.4
JE 9	4000	78.0	86.3	86.6	88.3	89.1	90.4	89.9	91.1	90.8	92.5	94.7	92.5	92.6	91.0					152.0
DIAMETER RATIO	5000	75.3	82.0	83.5	85.0	85.8	86.4	86.3	87.7	87.6	88.4	87.1	89.0	89.2	88.7					148.8
DF/DK 8.00	6300	71.4	78.1	79.6	81.4	81.3	82.8	83.6	84.8	84.5	85.7	84.2	85.7	86.3	85.6					146.9
	8000	68.6	74.3	75.7	77.6	77.4	79.7	80.7	82.0	81.5	83.9	81.2	82.9	83.8	82.6					146.1
	10000	67.4	69.5	71.0	73.0	73.5	78.4	80.2	80.1	78.3	84.6	79.1	80.6	81.6	79.8					147.0
OVERALL CALCULATED		98.6	102.3	102.6	103.7	104.6	105.3	106.2	108.1	109.6	111.9	112.2	113.7	113.7	112.4					168.9
PND8		109.1	114.5	114.9	116.0	116.6	117.0	117.6	119.2	120.4	122.3	122.1	123.3	122.4	121.7					170.2

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59; DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIAN)

SPL INPUT AT STD REV, ALPHA 12/75	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.10)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	59.8	60.6	66.5	66.2	67.9	68.9	70.9	73.5	75.3	77.1	76.7	81.7	82.6	77.3			
SIDELINE 2400, FT; (731.52 M)	63	62.4	64.2	66.7	66.3	68.2	69.8	71.8	73.1	74.7	76.0	77.1	82.2	82.1	75.9			
NFA 0, RPM	80	61.8	64.2	66.3	66.4	68.4	69.4	71.9	73.5	75.9	76.2	79.3	81.8	80.9	75.2			
NFK 0, RPM	100	61.0	66.3	66.7	68.1	69.6	70.1	71.9	74.7	75.9	77.9	79.2	79.7	76.8	73.9			
NFD 0, RPM	125	61.7	68.9	66.4	67.5	69.1	70.4	73.0	73.6	75.7	78.2	78.9	77.7	74.0	67.7			
NFK 0, RAD/SEC	160	60.2	64.1	66.1	67.7	69.2	70.6	74.2	74.1	75.1	78.1	79.1	77.9	70.9	64.3			
NFD 0, RAD/SEC	200	59.0	65.1	66.0	68.3	69.6	71.2	72.7	73.7	74.9	76.5	77.2	75.1	69.1	61.5			
NFK 0, RAD/SEC	250	60.0	63.0	65.7	69.3	71.1	71.5	72.8	73.9	74.6	76.0	76.1	74.2	68.0	60.0			
NFD 0, RAD/SEC	315	59.2	64.2	67.2	68.1	70.0	71.1	72.5	74.6	75.2	76.2	75.2	73.3	66.9	59.1			
AIRFLOW RATIO	400	58.5	63.9	67.1	69.3	70.8	72.0	72.8	74.3	75.0	77.0	75.0	73.3	67.7	59.7			
WF/WB 8.00	500	56.7	63.2	66.7	69.3	71.3	72.7	73.7	75.3	75.9	77.9	75.2	73.3	67.1	59.9			
	630	56.9	63.3	67.0	69.4	71.5	73.3	75.2	77.0	77.5	79.5	77.1	74.5	68.9	61.2			
	800	57.6	64.3	67.5	70.6	72.1	74.5	75.3	77.4	78.5	80.2	77.9	75.5	70.7	63.0			
VEHICLE JENOTS	1000	57.4	64.2	67.3	70.6	72.7	74.8	75.4	77.7	78.9	80.8	78.5	76.6	70.8	64.5			
CONFIG JE-059	1250	57.2	64.0	66.9	70.9	73.3	74.3	75.1	77.4	78.9	80.1	77.8	75.8	70.6	63.5			
COC EVENDALE	1600	54.0	62.7	66.1	69.2	71.6	72.7	73.8	75.9	76.1	77.0	75.5	73.5	68.0	59.0			
DATE 05-07-75	2000	49.9	61.1	64.2	67.0	70.0	71.0	71.6	73.1	73.9	73.9	71.4	69.6	63.5	53.5			
RUN QBTF-MODEL 1	2500	43.9	57.6	61.2	65.1	66.6	67.5	68.1	69.4	69.9	69.0	66.7	64.3	56.4	44.4			
TAPE X10180	3150	34.7	50.4	56.5	60.4	62.5	63.3	63.1	64.3	63.7	63.4	59.0	58.4	47.4	31.2			
FAN TIP SPEED	4000	19.8	38.3	43.0	50.6	53.8	56.4	56.4	57.2	55.5	54.8	50.1	44.8	34.4	12.4			
FT/SEC	5000	11.3	29.8	38.2	44.1	47.3	49.6	50.0	51.0	49.4	47.5	41.9	36.8	25.2	1.4			
	6300		12.8	23.5	31.1	34.5	37.9	39.3	39.9	37.7	35.4	28.2	20.4	5.1				
	8000			3.1	12.9	17.5	22.4	24.2	24.7	21.5	20.1	8.6						
	10000						3.7	6.6	5.4	0.0								
OVERALL CALCULATED		74.6	76.7	79.0	81.2	83.1	84.5	85.8	87.6	88.7	90.3	89.6	89.9	88.0	82.4			
PND8		74.9	83.0	86.2	89.1	91.4	92.7	93.7	95.5	96.1	97.2	95.7	94.2	88.9	80.8			

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SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHI		
BEV, ALPHA 12.73		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	PHI	
FREQ.		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
NO EGA	20	86.2	84.7	87.6	86.9	88.7	89.0	90.8	93.1	95.1	98.6	98.5	105.5	109.0	106.6				158.8	
REG, NO.	83	88.3	87.8	89.3	87.5	88.7	89.9	92.0	93.5	95.7	96.9	99.2	105.4	107.3	104.6				157.9	
RADIAL 323, FY,	80	88.3	88.7	88.7	87.4	88.7	89.2	92.3	93.6	96.4	97.7	101.4	104.8	107.1	104.8				158.1	
(98, M)	100	87.2	90.7	89.1	89.8	90.5	90.5	92.7	95.1	96.8	100.3	101.7	103.5	103.2	103.2				157.2	
	125	88.6	93.6	89.8	89.7	89.8	90.9	93.7	95.1	96.9	99.8	101.5	101.2	99.9	97.4				155.9	
VEHICLE JENOTS	140	87.5	88.9	89.4	89.8	90.2	91.9	94.9	94.9	96.7	100.1	101.6	102.2	97.9	94.9				156.0	
CONFIG JE*059	250	87.3	90.0	89.7	90.7	91.6	92.5	94.0	95.7	97.3	99.5	100.8	99.7	96.6	93.2				155.3	
CC EVENDALE	250	88.6	88.3	89.0	92.2	92.7	93.6	93.8	95.8	97.2	99.6	100.2	99.8	96.4	92.8				155.3	
DATE 05*07-75	313	87.3	89.6	90.8	90.7	91.4	92.7	94.5	96.4	97.5	99.8	99.8	99.7	95.9	93.0				155.3	
RLN CBYF=MODEL 1	400	87.8	89.9	91.3	92.7	93.6	93.9	95.3	96.7	98.1	101.4	100.7	100.1	97.1	94.7				156.3	
TYPE X10170	500	87.0	89.7	90.5	92.6	94.2	95.1	96.2	98.2	99.3	101.7	100.8	100.3	98.3	95.3				157.0	
BAR 29.3 HG	630	88.3	90.6	91.4	93.1	94.8	95.9	97.3	99.3	101.4	103.8	102.8	102.7	100.0	97.9				158.8	
#99111, N/M2)	800	89.9	91.4	92.1	94.5	95.7	97.8	98.3	100.7	102.4	104.8	103.2	103.8	102.7	100.4				160.0	
TAMB 70, DEG F	1000	90.7	93.3	93.0	95.3	96.8	97.8	99.0	101.4	103.8	105.6	104.9	106.0	103.9	103.4				161.4	
(294, DEG K)	1220	92.5	94.9	94.4	96.2	97.9	98.8	99.2	102.0	104.1	105.9	105.6	106.4	104.9	104.2				162.1	
TWET 56, DEG F	1600	91.9	97.0	96.8	97.0	97.9	98.4	100.0	101.6	103.0	105.1	104.5	105.5	104.7	103.6				161.8	
(284, DEG K)	2000	91.3	98.1	97.6	98.2	99.1	98.3	98.7	100.7	101.5	102.9	102.5	103.8	102.1	101.4				160.7	
MACT 0, GM/M3	2500	89.0	96.3	96.5	98.3	99.1	97.5	97.1	98.2	99.3	100.3	100.2	101.4	100.0	98.3				159.1	
(1, KG/M3)	3120	84.8	91.5	92.2	95.1	96.6	96.6	96.0	9											

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	190,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	190,
REV. ALPHA 12/73		FREQ,	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)
NO EGA		20	62.3	63.1	67.5	68.0	70.4	71.2	73.2	75.3	76.8	79.6	78.5	83.9	83.1	79.3	83.4	77.1
SIDELINE 2400; ET?		63	64.4	66.2	69.2	68.5	70.5	72.0	74.3	75.6	77.4	78.0	79.1	83.7	83.4	77.2	83.4	77.1
- (731.52 M)		80	64.3	67.0	68.6	68.4	70.4	71.4	74.6	75.7	78.1	78.7	81.3	83.1	83.1	77.2	83.1	77.2
NFA 0; RPM		100	63.0	68.8	68.9	70.6	72.1	72.6	74.9	77.2	78.4	81.1	81.5	81.7	79.0	75.4	81.7	75.4
(0; RAD/SEC)		125	64.2	71.7	69.4	70.5	71.3	72.9	75.8	77.1	78.4	80.7	81.1	79.2	75.5	81.4	75.5	81.4
NFK 0; RPM		190	62.8	66.8	68.9	70.5	71.7	73.8	76.9	76.8	78.1	80.8	81.1	80.1	73.4	66.6	73.4	66.6
(0; RAD/SEC)		200	62.8	67.6	69.0	71.3	72.9	74.2	75.9	77.5	78.6	80.0	80.2	77.4	71.8	64.5	71.8	64.5
NFD 0; RPM		250	63.5	65.8	68.2	72.5	73.9	75.2	75.5	77.4	78.4	80.0	79.3	77.2	71.2	63.5	71.2	63.5
(0; RAD/SEC)		315	61.7	66.7	69.7	70.8	72.3	74.1	76.0	77.8	78.9	80.0	78.7	76.8	70.4	63.1	76.8	63.1
- 0; RAD/SEC		400	61.7	66.6	69.9	72.6	74.3	75.0	76.6	77.8	78.7	81.2	79.3	76.8	71.0	64.0	76.8	64.0
AIRFLOW RATIO		500	60.2	65.9	68.7	72.1	74.5	75.9	77.2	79.1	79.7	81.2	79.0	76.5	71.6	63.6	76.5	63.6
WF/W 8.00		630	60.7	66.1	69.0	72.1	74.7	76.3	77.9	79.7	81.3	82.8	80.4	78.2	72.4	64.9	78.2	64.9
		800	61.1	66.1	69.0	72.8	75.1	77.7	78.3	80.6	81.8	83.2	80.1	78.5	73.9	65.8	78.5	65.8
VEHICLE JENOTS		1000	60.6	66.9	69.1	72.9	75.4	77.1	78.4	80.7	82.4	83.3	81.0	79.6	73.8	66.7	79.6	66.7
SCNFIG JE=05		1250	60.7	67.3	69.4	72.9	75.8	77.3	77.9	80.4	81.9	82.6	80.6	78.8	73.1	65.0	78.8	65.0
LCC EVENDALR		1600	57.7	67.5	70.3	72.4	74.6	75.7	77.5	78.9	79.6	80.5	78.0	76.0	70.5	60.8	76.0	60.8
DATE 05-07-75		2000	54.2	66.4	69.2	72.0	74.3	74.3	74.9	76.6	76.7	76.7	74.2	72.1	65.0	54.3	72.1	54.3
RUN EBT=MODEL 1		2500	57.7	61.4	65.5	69.8	72.1	71.5	71.4	72.1	72.4	71.8	69.2	66.5	58.7	44.9	66.5	58.7
TAPE X10190		3120	56.7	51.4	57.0	62.9	66.3	67.3	67.1	67.0	66.7	65.9	62.0	58.6	49.2	32.2	58.6	49.2
FAN TIP SPEED		4000	22.1	39.8	46.3	52.6	55.5	59.4	59.1	60.2	58.2	57.6	52.6	47.8	36.2	13.1	47.8	13.1
FT/SEC		5000	13.0	32.3	40.0	46.4	50.1	51.4	52.5	53.2	52.4	51.2	45.6	40.1	27.4	1.9	40.1	1.9
		6300	15.3	25.5	33.6	37.7	40.2	41.6	41.6	40.2	40.9	32.2	24.9	8.1			32.2	24.9
		8000	6.6	16.4	22.2	24.4	26.2	26.9	24.3	26.6	14.1	3.7					26.6	14.1
		10000			2.7	5.4	7.6	7.4	2.0	8.4							7.6	7.4
OVERALL CALCULATED			74.4	79.6	81.5	84.0	86.1	87.4	88.9	90.6	91.8	93.8	92.2	92.1	90.2	84.2	92.1	84.2
PNQB			78.4	86.9	89.7	92.7	95.0	95.9	97.1	98.6	99.4	100.4	98.4	96.8	91.6	83.1	96.8	83.1

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OF POOR QUALITY

SPL INPUT AT STD		ANGLES FROM INLET (IN DEGREES, (AND RADIANS))																	PWL	
REV, ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
NO EGA	20	88.4	86.7	90.1	89.2	90.7	90.7	92.8	94.8	97.3	100.6	100.5	106.5	111.0	107.9					160.5
RCG, NO, 0	30	89.6	89.8	90.8	89.5	90.7	91.6	94.0	95.7	96.9	99.2	101.7	107.6	109.1	107.1					160.0
BADIAL 320, FT.	100	90.6	90.9	90.9	89.7	90.9	91.0	93.8	95.9	98.2	100.4	103.9	106.6	109.1	107.8					160.3
(98, M)	125	91.7	92.7	91.6	91.5	92.5	93.0	94.7	97.4	99.3	102.5	104.0	105.8	105.7	105.2					159.4
VEHICLE JENOTS	150	91.3	95.9	91.8	91.4	91.5	93.4	95.4	97.3	99.1	102.3	104.2	103.2	102.6	100.2					158.3
CONFIG JENOTS	200	90.0	91.4	91.9	91.5	92.7	94.2	96.9	97.4	99.2	102.4	104.6	104.0	100.4	97.7					158.3
LCC EVENDALE	250	88.8	92.7	91.7	91.7	93.6	95.0	96.5	98.0	99.6	102.7	103.6	102.5	98.6	96.2					157.9
DATE 05-07-75	315	90.8	91.1	91.0	93.9	94.5	95.9	96.3	98.3	99.8	102.4	103.2	102.0	98.6	96.3					157.8
BUN DBTF-MODEL 1	400	90.3	92.2	93.0	94.2	94.6	96.1	97.3	98.7	100.8	103.1	102.5	102.2	99.2	96.0					158.1
TAPE X10200	500	90.0	92.5	92.5	94.4	95.2	97.1	97.9	100.0	102.3	103.7	103.6	103.1	100.6	98.8					159.3
BAB 29.3 HG	630	91.0	93.1	92.9	94.9	96.1	97.4	99.3	101.6	104.1	105.3	104.3	104.9	103.3	100.6					160.8
(99111, N/42)	800	92.1	94.2	94.6	96.0	97.0	98.8	100.3	102.7	104.7	106.8	105.7	106.1	105.4	102.4					162.2
TAMB 70, DEG F	1000	92.7	95.0	95.3	96.8	97.8	99.3	100.5	102.9	105.3	106.9	105.9	107.2	105.9	102.9					162.7
(294, DEG K)	1250	94.0	97.4	97.2	97.5	98.4	99.1	100.4	103.0	105.3	107.1	106.8	107.4	105.4	103.5					163.1
TWET 56, DEG F	1600	94.4	100.5	100.1	99.8	99.4	99.4	100.5	102.8	104.3	105.6	105.5	106.5	104.7	102.3					162.8
(286, DEG K)	2000	93.0	100.6	101.1	100.4	100.8	99.6	100.0	101.4	102.9	104.1	103.5	104.6	102.3	100.2					161.9
BACT 0, GM/M3	2500	99.7	97.3	98.5	99.5	99.8	99.3	98.4	99.7	100.5	101.3	100.4	101.9	100.0	97.0					160.0
(1, KG/M3)	3150	86.5	93.7	94.5	96.1	96.1	97.8	96.7	97.2	98.2	99.3	97.7	99.1	97.7	95.0					158.0
FREQ. SHIFT	4000	82.0	90.0	91.1	92.3	92.1	94.1	93.7	94.9	94.8	96.3	95.2	96.5	95.1	91.2					155.6
JET 9	5000	80.0	87.2	88.5	89.5	89.8	89.6	90.6	91.7	92.1	93.9	92.1	93.2	92.2	89.4					153.1
DIAMETER RATIO	6300	76.1	83.8	85.1	86.9	86.3	86.8	87.1	88.5	88.8	92.2	89.9	91.2	90.3	87.4					151.7
DE/DM-8.00	8000	72.8	81.5	82.7	83.1	83.2	83.7	83.9	86.0	86.0	92.4	87.9	90.4	89.8	87.4					152.0
OVERALL CALCULATED	10000	70.9	78.0	79.0	80.3	81.3	81.1	82.2	83.1	82.8	94.3	87.6	90.6	90.6	88.1					154.8
PWNB	10410	108.0	108.2	108.6	109.1	109.9	110.8	112.8	114.7	116.7	116.7	117.8	117.8	117.8	115.5					173.4
	154.5	120.2	120.6	121.2	121.6	121.9	122.1	123.7	124.9	126.9	126.4	127.4	125.8	123.4						174.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F. 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
SPL INPUT AT STD																				
REV: ALPHA 12473	FREQ:																			
	50	64.6	65.1	70.0	70.2	72.4	72.9	75.2	77.0	79.1	81.6	80.5	84.9	87.1	80.6					
	63	65.6	68.2	70.7	70.5	72.5	73.8	76.3	77.9	78.7	80.2	81.6	86.0	85.1	79.6					
SIDELINE NO EGA																				
2400 FT	80	66.5	69.2	70.8	70.7	72.7	73.1	76.1	78.0	79.9	81.4	83.8	84.8	85.1	80.2					
(731.52 M)	100	65.5	70.8	71.4	72.4	74.1	75.1	76.9	79.4	80.9	83.4	83.7	83.9	81.5	77.4					
NFA 0: RPM	125	67.0	73.9	71.4	72.2	73.1	75.4	77.5	79.3	80.7	83.2	83.9	81.2	78.3	78.2					
(0: RAD/SEC)	150	65.4	69.3	71.4	72.2	74.2	76.1	78.9	79.3	80.6	83.1	84.1	81.9	75.9	68.3					
NFK 0: RPM	200	64.0	70.4	71.0	72.3	74.9	76.7	78.4	79.7	80.9	83.3	83.0	80.1	73.8	67.5					
(0: RAD/SEC)	250	65.7	68.5	70.2	74.3	75.6	77.5	78.0	79.9	80.6	82.8	82.3	79.4	73.5	67.0					
NFD 0: RPM	315	64.7	69.4	72.2	73.1	74.5	76.6	77.8	80.1	81.7	83.2	81.4	79.3	73.6	66.1					
(0: RAD/SEC)	400	64.2	68.9	71.6	74.1	75.3	77.3	78.6	79.8	81.5	83.7	81.8	79.8	73.7	67.2					
AIRFLOW RATIO	500	63.2	68.7	70.7	73.8	75.5	77.9	78.9	80.8	82.7	83.2	81.7	79.3	73.8	67.1					
WF/KH 8.00	630	63.4	68.6	70.5	73.9	76.0	77.8	79.9	82.0	84.0	84.3	81.9	80.5	75.7	67.7					
	800	63.3	68.8	71.5	74.3	76.3	78.7	80.3	82.6	84.0	85.2	82.6	80.7	76.7	67.8					
VEHICLE JENOTS	1000	62.6	68.7	71.3	74.4	76.4	78.6	79.9	82.2	83.9	84.5	82.0	80.9	75.8	66.2					
GCNFIG JE=059	1250	62.2	69.8	72.2	74.2	76.3	77.5	79.1	81.4	83.2	83.8	81.8	79.8	73.6	64.3					
LOC EVENDALE	1600	60.2	71.0	73.6	75.2	76.1	76.7	78.0	80.1	80.9	81.0	79.0	77.0	70.5	59.5					
DATE 05-07-75	2000	55.9	68.9	72.7	74.2	76.0	75.5	76.1	77.4	77.7	77.9	75.2	72.9	65.2	53.0					
RUN CBT=MODEL 1	2500	48.4	62.4	67.5	71.1	72.9	73.2	72.6	73.6	73.6	72.8	69.4	67.0	58.7	43.6					
TAPE X10200	3150	38.5	53.7	59.2	63.9	65.8	66.6	67.8	68.0	68.0	67.1	62.5	59.1	49.7	31.5					
PAN TIP SPEED	4000	23.8	42.3	49.5	54.6	56.8	60.1	60.1	60.9	59.5	58.6	53.6	48.8	36.9	12.6					
FT/SEC	5000	36.0	35.0	43.2	48.6	51.6	52.9	54.3	55.0	53.9	53.0	46.9	41.1	28.2	2.1					
	6300		18.5	29.0	36.6	39.5	41.9	42.8	43.6	42.0	41.9	33.9	25.9	9.1						
	8000			10.1	18.4	23.2	26.4	27.4	28.7	26.0	27.6	15.3	5.0							
	10000					3.0	6.4	8.6	8.4	4.3	9.4									
OVERALL CALCULATED		76.7	82.0	83.9	85.8	87.5	89.1	90.6	92.5	94.0	95.3	94.5	94.0	92.3	86.4					
PNDB		80.8	89.4	92.6	94.7	96.5	97.4	98.4	100.2	101.2	101.9	100.1	98.4	93.1	85.1					

FULL SIZE SOUND PRESSURE

PROC. DATE - MONTH 79 DAY 0 HR: 018
DATA {59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS}

SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	PWL
REV	ALPHA 12/73	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	
NO EGA		50	81.9	80.7	83.6	82.4	83.9	84.5	86.8	89.3	91.6	93.6	96.3	101.8	103.7	103.1			154.7
RDG, NO, 0		63	84.8	85.1	85.1	82.5	83.2	85.1	87.5	88.7	90.7	93.2	95.7	102.9	105.3	101.6			155.2
RADIAL 320, FT.		80	85.3	84.7	84.7	83.2	84.4	85.0	88.1	89.6	92.4	93.7	98.4	103.3	104.6	102.8			155.6
(98, M)		100	84.2	86.7	84.6	84.6	85.5	85.5	87.2	90.1	91.8	95.8	98.0	101.3	101.2	102.7			154.3
VEHICLE JENOTS		125	85.1	86.4	84.5	84.4	85.0	86.7	88.9	90.6	92.4	96.1	98.2	99.7	98.6	97.7			153.0
CONFIG JE-059		160	83.0	83.4	84.4	84.0	85.0	85.9	89.7	89.9	91.9	95.6	98.6	99.7	96.9	93.9			152.3
LOC EVENDALE		200	81.5	84.7	83.7	84.2	85.3	87.0	88.5	90.2	91.3	94.8	97.3	97.0	94.4	91.0			151.1
DATE 05-07-75		250	82.3	82.6	82.8	85.4	86.5	86.9	87.8	88.6	91.0	93.1	95.7	95.3	91.9	88.8			149.8
RUN DBTF-MODEL 1		315	80.8	82.8	84.3	83.7	84.6	86.2	87.5	88.9	90.8	92.8	93.5	93.7	88.9	86.8			148.6
TAPE X10210		400	80.6	82.4	83.8	84.5	85.4	86.1	87.6	88.9	90.1	93.1	93.2	92.4	89.1	86.4			148.4
BAR 29.3 HG		500	79.2	82.5	83.3	84.9	85.7	86.9	87.4	89.3	90.4	92.5	93.1	91.6	88.9	86.8			148.3
(99043, N/M2)		630	79.6	82.6	83.9	85.4	85.8	87.6	88.6	90.6	92.1	94.6	94.3	94.2	91.1	88.7			150.0
TAMB 69, DEG F		800	80.9	84.2	85.1	86.5	87.0	89.4	89.8	91.3	92.7	95.8	95.3	93.8	93.7	92.2			151.4
(294, DEG K)		1000	80.8	84.8	86.1	87.1	88.8	89.6	90.5	92.2	93.1	96.2	96.2	96.5	94.4	94.9			152.2
TWEI 55, DEG F		1250	81.3	85.0	86.7	87.8	89.5	90.4	90.5	92.3	93.7	95.7	95.9	96.0	94.7	95.1			152.3
(286, DEG K)		1600	79.8	84.1	86.2	87.4	89.0	89.8	90.1	91.7	92.6	93.2	94.6	94.8	93.8	93.4			151.6
HACT 0, G4/M3		2000	77.9	82.4	84.4	85.7	88.2	88.4	89.3	90.5	91.8	93.7	92.6	93.7	92.2	91.8			150.3
(1, KG/M3)		2500	75.3	80.9	82.1	83.6	85.6	86.1	87.5	89.0	90.1	91.6	90.6	91.3	89.6	89.9			148.8
FREQ, SHIFT		3150	72.6	78.3	80.0	81.4	82.7	83.9	85.1	86.8	88.1	89.4	87.3	88.2	87.3	87.0			146.8
JET 9		4000	68.5	7															

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG, F, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
REV, ALPHA 12/73		FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)
NO EGA		50	58.1	59.1	63.5	63.5	65.7	66.7	69.2	71.5	73.3	76.6	76.2	80.2	79.9	75.8	75.8	75.8
SIDE LINE 2400 FT		63	60.9	63.4	65.0	63.5	65.0	67.3	69.8	70.9	72.4	74.2	75.6	81.2	81.4	74.1	74.1	74.1
(731.52 M)		80	61.3	63.0	64.6	64.2	66.2	67.1	70.4	71.7	74.1	74.7	78.3	81.6	80.6	75.2	75.2	75.2
NFA		100	60.0	64.0	64.4	65.6	67.1	67.6	69.4	72.2	73.4	76.6	77.7	79.4	77.0	74.9	74.9	74.9
(0, RPM)		125	60.7	64.4	64.2	63.2	66.6	68.7	71.0	72.6	73.9	76.9	77.9	77.7	74.3	69.6	69.6	69.6
(0, RAD/SEC)		160	58.4	61.3	63.9	64.7	66.4	67.8	71.7	71.8	73.4	76.3	78.1	77.6	72.4	65.6	65.6	65.6
NFK		200	56.7	62.4	63.0	64.8	66.6	68.0	70.4	72.0	72.6	75.3	76.7	74.6	69.6	62.2	62.2	62.2
(0, RPM)		250	57.2	60.0	62.0	65.8	67.6	68.5	69.5	71.2	72.1	73.5	74.0	72.7	66.7	59.6	59.6	59.6
(0, RAD/SEC)		315	55.3	59.9	63.2	63.9	65.6	67.6	69.0	70.3	71.7	73.0	72.4	70.8	63.4	56.9	56.9	56.9
NFD		400	54.5	59.1	62.4	64.3	66.0	67.3	68.9	70.1	70.8	73.0	71.8	69.1	63.0	55.7	55.7	55.7
(0, RPM)		500	52.5	58.7	61.4	64.4	66.0	67.7	68.4	70.1	70.7	71.9	71.3	69.1	62.1	55.2	55.2	55.2
AIRFLOW RATIO		630	51.9	58.1	61.5	64.4	65.8	68.1	69.2	71.0	72.1	73.6	71.9	69.7	63.4	55.7	55.7	55.7
WE/WN 8:00		800	52.1	58.9	62.0	64.9	66.4	69.2	69.9	71.2	72.0	74.2	72.4	70.5	65.0	57.6	57.6	57.6
VEHICLE JENOTS		1000	50.7	58.5	62.1	64.7	67.5	68.9	70.0	71.5	71.7	73.8	72.3	70.2	64.3	58.3	58.3	58.3
CONFIG JE=039		1250	49.5	57.3	61.7	64.5	67.3	68.9	69.2	70.8	71.5	72.4	70.9	68.4	62.9	55.9	55.9	55.9
LOC EVENDALE		1600	45.5	54.6	59.6	62.8	65.6	67.1	67.6	69.0	69.2	70.6	68.1	65.3	59.5	50.6	50.6	50.6
DATE 05-07-75		2000	40.8	50.7	56.1	59.5	63.3	64.4	65.5	66.5	67.0	67.5	64.3	62.0	55.0	44.6	44.6	44.6
RUN DBTFMODEL 1		2500	34.0	46.0	51.1	55.1	58.7	60.1	61.7	63.0	63.2	63.1	59.8	56.4	48.3	36.4	36.4	36.4
TAPE X10210		3150	24.5	38.3	44.8	49.2	52.4	54.7	56.2	57.6	57.8	57.2	52.1	48.2	39.5	23.5	23.5	23.5
FAN TIP SPEED		4000	10.4	26.9	34.1	40.4	43.6	47.5	49.0	50.5	49.1	48.4	43.8	37.1	26.0	4.7	4.7	4.7
FT/SEC		5000	2.1	20.1	28.5	33.9	37.9	40.4	42.1	44.3	43.7	42.8	35.8	29.1	16.7			
		6300		4.1	14.3	21.3	25.8	28.7	30.9	33.4	31.5	30.4	21.8	13.4				
		8000				4.4	9.7	12.6	15.4	20.6	16.0	18.8	3.6					
		10000								3.6								
OVERALL CALCULATED			69.3	73.1	75.1	76.7	78.6	80.2	81.9	83.4	84.5	86.6	87.2	88.5	86.8	81.7		
PNDB			69.8	76.2	80.2	82.9	85.5	87.1	88.3	89.8	90.4	91.9	90.6	89.4	85.1	79.0		

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE - MONTH 93 DAY 0 HR: 0.8
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50, DEG, F, 70 PERCENT REL, HON, DAY - JENOTS)

SPL INPUT AT STD	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	PWL
REV, ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	84.2	82.5	85.6	84.7	85.9	86.5	88.6	90.8	93.6	97.3	98.0	103.8	107.0	105.1			157.1
RDG, NO. 0	63	86.6	86.6	86.8	85.3	86.0	87.1	89.5	91.2	92.7	95.2	98.5	103.6	107.8	104.1			157.7
RADIAL 320, FT.	80	87.1	87.2	86.9	85.4	86.9	87.0	89.6	91.6	94.7	96.4	101.2	105.6	106.9	104.0			157.8
(98, M)	100	85.7	88.2	87.1	86.8	87.8	87.8	89.7	92.6	94.5	98.0	100.2	103.3	103.2	103.5			156.2
VEHICLE JENOTS	125	86.8	87.9	87.3	86.4	86.8	88.7	90.4	92.1	94.9	97.8	100.5	101.2	100.1	97.9			154.7
CONFIG JE-059	160	84.7	85.7	86.4	86.5	87.5	88.7	91.4	91.9	94.4	97.9	100.6	101.7	97.7	94.9			154.4
LOC EVENDALE	200	83.8	86.5	86.4	87.0	87.8	89.2	90.5	92.0	93.3	96.7	98.8	98.5	95.1	91.5			152.7
DATE 05-07-75	250	84.8	85.1	85.8	88.2	88.5	89.4	90.3	91.6	93.5	95.9	97.9	97.0	93.4	89.8			152.0
RUN DBT-MODEL 1	315	83.3	86.1	87.3	86.7	87.6	88.7	89.7	91.7	93.8	95.3	96.0	95.7	91.4	88.2			151.2
TAPE X10220	400	83.1	85.9	87.8	88.2	88.6	89.9	90.1	92.2	92.8	95.6	95.7	94.9	91.6	88.7			151.2
BAR 29.3 HG	500	82.7	85.7	87.0	88.4	89.4	90.6	91.7	93.0	94.4	97.0	96.1	95.1	92.6	90.1			152.1
(99043, N/M2)	630	83.0	86.3	87.7	88.9	90.1	91.1	92.6	95.1	96.4	99.0	97.8	97.7	94.6	92.1			153.9
TAMB 67, DEG F	800	85.1	88.2	89.4	90.5	91.5	92.8	93.5	95.8	97.7	100.8	99.8	99.3	97.2	95.7			155.7
(293, DEG K)	1000	85.3	89.3	90.1	91.5	92.8	93.6	94.5	96.5	98.3	101.7	101.0	101.3	99.4	98.7			157.0
THET 54, DEG F	1250	86.3	89.5	90.2	91.8	93.5	94.1	94.8	97.6	99.2	101.7	101.4	101.5	100.2	100.3			157.6
(285, DEG K)	1600	85.8	90.1	90.9	92.6	93.8	94.3	94.8	96.7	98.6	100.7	100.3	101.3	100.2	100.6			157.3
HACT 0, GM/M3	2000	87.6	93.2	92.4	95.0	95.6	93.9	94.3	96.3	97.3	98.2	98.8	100.1	101.1	102.0			157.2
(1, KG/M3)	2500	82.3	88.3	89.3	90.1	91.4	91.1	91.9	93.5	95.8	96.6	96.2	97.2	96.8	96.1			154.3
FREQ, SHIFT	3150	80.6	87.8	88.8	89.9	90.1	90.6	90.3	91.8	92.5	94.1	92.8	94.7	94.3	94.0			152.6
JET 9	4000	76.7	84.3	85.6	86.6	87.1	88.7	88.2	89.7	89.8	91.3	90.2	91.5	91.3	90.2			150.6
DIAMETER RATIO	5000	74.0	80.7	82.0	84.0	84.8	85.1	85.3	86.5	87.1	88.1	86.3	87.8	88.5	87.5			147.9
DE/DH 8.00	6300	70.6	76.8	78.6	80.1	80.3	81.8	82.6	83.8	83.5	85.4	83.4	84.9	85.8	84.4			146.0
OVERALL CALCULATED	8000	67.8	72.5	74.4	76.3	76.1	78.6	80.4	81.2	80.6	83.5	80.8	82.0	83.5	81.6			145.2
PND8	10000	67.6	68.4	69.5	71.5	72.7	78.1	80.1	80.73	78.0	84.5	78.6	82.1	82.1	80.0			146.9
		97.9	100.9	101.5	102.5	103.5	104.0	104.9	105.9	108.6	111.2	111.9	113.9	114.3	112.5			168.4
		108.5	113.0	113.3	114.9	115.7	115.6	116.2	118.1	119.5	121.5	121.3	122.5	122.2	121.8			169.7

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																0.1 0.1 0.1		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)			
SPL INPUT AT STD																				
REV. ALPHA 12/73	FREQ.																			
	50	60.3	60.9	65.5	65.7	67.7	68.7	70.9	73.0	75.3	78.4	78.0	82.2	83.1	77.8					
NO EGA	63	62.6	64.9	66.7	66.3	67.7	69.3	71.8	73.4	74.4	76.2	78.4	84.0	83.9	76.6					
SIDELINE 2400' FT.	80	63.0	65.5	66.8	66.4	68.7	69.1	71.9	73.7	76.4	77.4	81.1	83.8	82.9	76.5					
(731.52 M)	100	61.5	66.3	66.9	67.6	69.4	69.8	71.9	74.7	76.2	78.9	80.0	81.4	79.0	75.7					
NFA 0.1 RPM	125	62.5	65.9	66.9	67.2	68.3	70.7	72.5	74.1	76.4	78.7	80.1	79.2	75.8	69.9					
(0.1 RAD/SEC)	160	60.2	63.6	63.9	67.2	68.9	70.6	73.4	73.8	75.9	78.6	80.1	79.6	73.1	66.6					
NFK 0.1 RPM	200	59.0	64.1	65.8	67.5	69.1	71.0	72.4	73.7	74.6	77.3	78.2	76.1	70.3	62.7					
(0.1 RAD/SEC)	250	57.7	62.5	65.0	68.5	69.6	71.0	72.0	73.2	74.6	78.3	77.1	74.4	68.2	60.6					
NFD 0.1 RPM	315	57.7	63.2	66.2	66.8	68.5	70.1	71.3	73.1	74.7	78.5	74.9	72.8	65.9	58.4					
(0.1 RAD/SEC)	400	57.0	62.6	66.4	68.1	69.3	71.0	71.4	73.3	73.5	75.5	74.3	71.6	65.5	58.0					
AIRFLOW RATIO	500	56.0	61.9	65.2	67.6	69.8	71.5	72.7	73.8	74.7	76.4	74.3	71.3	65.8	58.4					
WE/HM 8.00	630	55.4	61.9	65.3	67.9	70.0	71.6	73.2	75.5	76.3	78.1	75.4	73.2	66.9	59.2					
	800	56.4	62.9	66.3	68.9	70.9	72.7	73.6	75.7	77.0	79.2	76.6	74.0	68.5	61.1					
VEHICLE JENOTS	1000	55.2	63.0	66.1	69.2	71.5	72.9	74.0	75.7	77.0	79.3	77.0	74.9	69.3	62.0					
CONFIG JE-059	1250	54.5	61.8	65.2	68.5	71.3	72.6	73.4	76.0	77.0	78.4	76.4	73.9	68.4	61.1					
LOC EVENDALE	1600	51.5	60.6	64.4	68.0	70.4	71.6	72.3	74.0	75.2	76.1	73.8	71.8	66.0	57.8					
DATE 03-07-75	2000	50.5	61.5	64.1	68.8	70.8	71.8	70.5	72.2	72.5	73.0	70.5	68.4	64.0	54.9					
RUN DBTF-MODEL 1	2500	41.0	53.4	58.3	61.6	64.5	65.0	66.2	67.4	68.9	68.1	65.2	62.3	55.5	42.7					
TAPE X10220	3150	32.5	47.7	53.5	57.7	59.8	61.4	61.4	62.6	62.3	61.9	57.6	54.7	46.2	30.5					
FAN TIP SPEED	4000	18.6	36.6	44.1	48.9	51.8	54.7	54.7	55.7	54.5	53.6	48.6	43.8	33.2	11.7					
FT/SEC	5000	10.0	28.5	36.7	43.1	46.6	48.4	49.0	49.7	48.9	47.2	41.1	35.6	24.5	0.1					
	6300		11.8	22.5	29.8	33.5	36.9	38.3	38.9	36.7	35.1	27.4	19.6	4.6						
	8000			1.8	11.6	16.2	21.3	23.8	23.8	20.7	18.8	8.3								
	10000						3.3	6.5	5.6											
OVERALL CALCULATED		71.5	75.8	78.2	80.2	82.1	83.4	84.8	86.6	87.9	89.9	89.9	90.8	89.3	83.3					
PNDB		73.8	82.2	85.3	88.8	90.9	92.4	92.4	94.2	95.2	96.4	94.9	93.4	88.6	81.4					

DATA REDUCTION PROGRAM PROC. DATE - MONTH 83 DAY - 0 HR. 0.0
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENDTS)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
REV: ALPHA 12(73)	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)
NO EGA	20	61.6	62.4	67.5	67.2	69.4	70.7	73.4	75.3	76.8	79.6	79.0	84.2	84.9	79.6		
SIDELINE 2400 FT	63	63.4	65.7	68.2	68.0	69.5	71.3	73.5	75.6	76.9	78.0	79.1	84.0	84.1	77.6		
{731.52 M}	80	63.8	66.5	68.1	68.7	70.2	70.9	73.6	75.7	77.9	78.7	81.8	84.1	83.9	77.7		
BFA	100	62.5	67.6	68.2	69.9	71.1	71.8	73.6	76.7	77.9	80.1	81.5	81.7	79.0	79.4		
(0: RPM	125	63.5	70.2	68.7	69.0	70.3	72.2	74.0	76.1	77.9	80.7	80.9	79.7	78.0	69.9		
(0: RAD/SEC	160	61.9	65.6	67.6	69.7	70.7	72.6	76.2	76.6	77.4	79.8	81.1	79.4	73.4	66.8		
BFK	200	60.7	66.6	67.5	69.3	71.6	73.0	74.7	76.0	77.4	79.3	79.7	76.9	71.6	63.5		
(0: RAD/SEC	250	62.0	64.8	66.9	70.8	72.4	73.7	75.0	75.9	76.6	78.5	78.3	75.9	70.2	63.3		
BFD	315	60.2	64.9	68.2	69.3	71.3	72.8	74.8	76.3	77.5	78.5	77.4	75.3	68.6	61.6		
(0: RAD/SEC	400	60.5	65.1	67.9	70.3	72.3	73.8	74.8	76.3	77.2	79.5	77.3	75.3	69.5	62.2		
AIRFLOW RATIO	500	59.0	64.2	67.4	70.8	72.5	74.4	75.7	76.8	77.7	79.4	77.7	75.0	69.6	62.4		
WF/WM 8.00	630	59.4	64.3	67.0	71.1	72.7	74.8	76.4	78.5	79.0	81.3	78.6	76.7	71.2	63.4		
	800	59.3	64.3	67.5	71.6	73.6	76.2	77.3	78.9	79.8	81.9	79.1	77.5	71.9	65.3		
VEHICLE JENOTS	1000	59.4	64.9	68.1	70.9	73.9	75.8	76.7	78.7	80.7	82.0	79.5	78.4	72.8	66.0		
CONFIS JENOTS	1250	59.4	65.0	68.2	72.9	74.5	75.8	76.6	79.2	80.4	81.1	79.8	77.5	72.3	63.8		
LOC EVENDALE	1600	56.2	65.0	67.1	70.2	72.6	74.2	75.8	77.6	77.9	78.8	76.5	75.0	69.5	59.8		
DATE 05-07-75	2000	52.2	63.4	66.5	69.2	71.8	72.3	73.4	74.6	74.9	75.2	73.2	70.9	64.7	54.0		
RUN DBTF=MODEL 1	2500	65.9	59.6	63.5	67.3	69.6	69.2	69.4	70.6	70.9	70.5	68.2	65.3	58.2	45.1		
TAPE X10220	3150	36.0	50.7	56.5	61.9	64.5	66.1	65.3	65.8	65.5	64.6	60.8	57.6	48.7	32.2		
FAN TIP SPEED	4000	21.1	38.1	45.5	52.1	54.8	58.1	58.1	58.9	57.0	56.3	51.6	46.8	36.2	13.6		
FT/SEC	5000	32.8	31.0	39.5	45.9	49.3	50.6	52.3	52.5	51.4	49.7	44.6	39.1	27.4	2.6		
	6300		15.0	25.5	33.3	37.0	39.4	41.1	41.4	39.5	38.1	31.4	24.6	8.6			
	8000			6.3	16.4	21.2	24.1	26.2	26.2	24.0	21.9	14.3	3.5				
OVERALL CALCULATED	10000	73.3	78.1	80.1	82.6	84.5	86.1	87.6	89.4	90.5	92.2	91.6	91.9	90.3	84.5		
PNRR		77.0	84.7	87.7	90.8	93.1	94.3	95.6	97.3	97.9	99.0	97.3	95.9	90.8	82.7		

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OF POOR QUALITY

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
BEV, ALPHA 12(75)		FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)
NO EGA		20	88.4	86.2	89.3	88.9	89.9	90.2	92.8	94.8	97.6	100.6	101.3	107.5	111.5	108.4				161.0
RDG, NO, 0		80	90.1	90.3	90.6	89.3	90.5	91.6	93.7	95.7	97.4	99.4	102.2	108.4	110.1	108.1				160.7
RADIAL 320, FY,		100	90.3	89.9	90.4	89.2	90.4	90.7	94.1	95.9	98.4	99.9	104.2	107.8	110.1	108.3				160.9
(98, M)		125	89.7	92.4	90.4	91.3	92.3	92.0	94.4	97.1	99.3	102.3	104.0	106.3	105.7	105.7				159.5
VEHICLE JENOTS		150	90.6	95.4	90.8	90.9	91.5	92.9	94.9	97.1	99.1	102.3	104.0	103.7	102.6	100.2				158.2
CONFIG JE=059		200	89.5	90.7	90.9	91.0	92.2	93.4	97.2	96.7	98.7	102.1	104.6	103.7	100.4	97.7				158.1
LOC EVENDALE		250	88.3	91.7	91.2	91.5	93.1	94.0	96.0	97.2	98.8	101.7	102.8	101.7	98.4	95.5				157.2
DATE 05-07-75		315	89.8	90.1	90.5	92.9	94.0	95.1	96.0	97.1	99.0	101.4	102.2	101.5	98.3	95.0				157.0
BUN CBT-MODEL 1		400	89.0	91.5	92.0	91.7	92.8	94.7	95.9	97.9	99.8	102.3	101.2	100.9	97.4	94.7				157.1
TAPE X10240		500	89.0	91.1	91.8	93.5	94.6	95.6	96.5	98.1	99.8	102.4	102.2	101.6	98.6	96.4				157.6
BAR 29.3 HG		630	88.4	91.2	92.2	93.3	95.1	96.8	97.6	99.4	100.8	102.9	102.5	101.8	99.5	97.3				158.4
(99111, N/M2)		800	90.0	91.7	92.1	93.8	95.5	96.8	98.8	100.5	102.8	104.7	103.7	103.9	101.0	99.6				159.9
TAMB 67, DEG F		1000	90.8	93.1	93.3	94.4	96.4	98.5	99.4	101.4	103.6	105.2	104.4	105.2	103.6	101.6				160.9
(293, DEG K)		1250	91.8	93.9	93.9	95.6	97.1	99.0	99.6	101.8	104.1	106.0	105.3	105.6	104.8	103.5				161.8
TWET 54, DEG F		1600	92.5	96.0	96.0	96.0	97.7	98.4	99.8	102.8	104.7	106.2	105.9	106.5	104.7	103.8				162.4
(284, DEG K)		2000	93.0	98.5	98.4	98.1	98.7	98.7	100.3	102.1	103.5	105.1	104.5	106.0	103.9	102.6				162.0
HACT 0, GM/M3		2500	92.3	99.8	99.1	99.1	99.5	99.1	99.2	100.7	102.2	102.8	102.5	103.8	102.3	100.1				161.0
1, KG/M3		3150	89.4	96.7	96.7	98.7	99.7	98.9	97.6	98.3	100.0	100.2	100.4	101.6	99.4	97.2				159.4
FREQ, SHIFT		4000	85.2	91.9	92.9	94.7	96.0	97.3	96.1	97.4	97.2	97.7	97.4	98.6	97.2	94.9				157.3
JET 9		5000	81.2	88.7	88.8	90.2	91.0	93.3	93.9	94.6	94.0	95.2	94.8	95.5	94.0	91.4				154.8
DIAMETER RATIO		6300	77.7	85.7	85.7	88.2	89.1	89.1	89.8	90.5	91.3	91.9	91.6	92.2	91.7	89.2				152.0
DE/DM- 8.00		8000	74.4	82.4	82.9	84.7	85.6	86.4	86.9	87.6	88.1	90.0	88.5	90.7	90.1	87.4				150.6
OVERALL CALCULATED		10000	72.2	78.2	79.8	82.3	82.8	83.1	84.1	85.1	84.9	87.7	87.3	89.8	89.7	87.8				150.6
PNBB		103.1	107.0	106.7	107.4	108.6	109.3	110.3	112.1	113.9	115.8	116.1	117.6	117.8	115.8					172.8
		113.5	119.1	118.9	120.2	121.3	121.5	121.5	122.9	124.3	125.8	125.6	126.8	125.3	123.4					174.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
REV. ALPHA 12/73		FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,
																	(0,	(0,
NO EGA		50	64.6	64.6	69.3	70.0	71.7	72.4	75.2	77.0	79.3	81.6	81.2	85.9	87.6	81.1		
SIDELINE 24000 FT		80	66.1	68.7	70.5	70.3	72.2	73.8	76.0	77.9	79.2	80.5	82.1	86.7	86.1	80.6		
1734.52 M		100	66.3	68.2	70.3	70.2	72.2	72.9	76.4	78.0	80.1	80.9	84.1	86.1	86.1	80.7		
BFA 0: RPM		125	65.5	70.6	70.2	72.1	73.9	74.1	76.6	79.2	80.9	83.1	83.7	84.4	81.5	77.9		
(0: RAD/SEC)		150	66.2	73.4	70.4	71.7	73.1	74.9	77.0	79.1	80.7	83.1	83.6	81.7	78.3	72.1		
BFB 0: RPM		200	64.9	68.6	70.4	71.7	73.7	75.3	79.2	78.6	80.1	82.8	84.1	81.6	75.9	69.3		
(0: RAD/SEC)		220	63.5	69.4	70.5	72.0	74.4	75.7	77.9	79.0	80.1	82.3	82.2	79.4	73.6	66.7		
BFD 0: RPM		335	64.7	67.5	69.7	73.3	75.1	76.7	77.8	78.7	80.1	81.7	81.3	78.9	73.2	65.8		
(0: RAD/SEC)		400	63.5	68.6	70.9	71.8	73.8	76.1	77.5	79.3	80.7	82.4	80.1	78.0	71.8	64.9		
AIRFLOW RATIO		500	62.9	67.8	70.3	73.3	75.3	76.7	77.8	79.3	80.8	82.2	80.7	78.3	72.5	65.7		
WF/MM 8.00		600	61.7	67.4	70.4	72.8	75.5	77.6	78.6	80.3	81.1	82.4	80.7	78.0	72.8	65.6		
		800	62.4	67.3	69.7	72.8	75.4	77.2	79.4	80.9	82.7	83.7	81.3	79.4	73.4	66.6		
VEHICLE JENOTS		1000	62.0	67.8	70.2	72.8	75.8	78.4	79.5	81.3	82.9	83.6	81.3	79.9	74.8	67.0		
CONFIG JENOTS		1250	61.7	67.5	70.0	73.3	75.8	78.2	79.0	81.1	82.8	83.7	81.3	79.2	74.6	66.8		
LOC EVENDALE		1600	60.7	68.3	71.0	72.8	75.6	76.8	78.4	81.3	82.8	82.9	80.9	78.9	72.9	64.6		
DATE 05-07-75		2000	58.7	69.0	71.8	73.5	75.3	76.0	77.8	79.4	80.2	80.5	78.0	76.5	69.7	59.8		
RUN CBTE=MODEL 1		2500	55.1	68.1	70.7	72.9	74.7	75.0	75.4	76.6	77.4	76.7	74.1	72.1	65.2	53.0		
TAPE X10240		3150	48.1	61.8	65.7	70.2	72.8	72.9	71.8	72.3	73.0	71.7	69.4	66.7	58.1	43.8		
EAM TIP SPEED		4000	37.1	51.9	57.7	62.6	65.7	68.0	67.3	68.2	66.9	65.5	62.2	58.5	49.1	31.4		
FT/SEC		5000	23.0	41.0	47.2	52.5	55.7	59.3	60.3	60.6	58.7	57.5	53.3	47.7	35.9	12.8		
		6300	13.7	33.3	40.5	47.3	50.8	52.3	53.5	53.7	53.1	51.0	46.3	40.1	27.7	1.9		
		8000	17.1	26.8	34.4	38.8	41.5	42.6	42.7	41.3	39.7	32.5	25.4	8.9				
		10000		7.2	17.5	22.9	25.7	27.5	27.8	24.9	23.0	14.7	4.4					
OVERALL BALGULATED		76.0	81.2	82.8	84.8	87.0	88.5	90.2	91.8	93.3	94.6	94.1	94.2	92.7	86.9			
PNQB		79.6	88.4	91.0	93.5	95.8	96.8	98.0	99.5	100.4	101.1	99.4	97.9	92.8	85.2			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUS, DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
REV. ALPHA 12(73)		FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	PWL
NO EGA		30	91.4	89.0	91.8	91.7	92.4	93.2	95.3	96.8	99.8	103.6	104.8	110.3	115.0	110.1				164.0
BDG, NO. 0		80	93.8	93.3	93.6	92.5	93.2	94.4	96.6	99.0	100.2	102.7	105.5	112.1	113.3	110.8				164.0
RADIAL 320, FY.		100	94.6	93.9	93.4	92.4	93.7	93.5	96.6	98.9	101.4	102.9	107.9	110.3	114.1	112.5				164.5
(98, 4)		125	93.7	95.7	93.9	94.3	95.0	95.5	97.2	100.4	102.0	105.5	107.2	109.8	110.2	111.2				163.3
VEHICLE JENOTS		160	95.1	98.6	94.3	93.9	94.5	95.9	98.2	99.8	102.6	106.1	107.5	107.2	108.4	106.7				162.2
CONFIG JEW059		200	93.2	93.7	93.9	94.0	95.0	96.7	99.7	100.4	101.9	105.6	107.1	106.2	106.2	103.9				161.6
LCC EVENDALE		250	92.3	94.7	93.9	94.5	96.1	97.0	99.3	100.7	103.1	105.5	106.3	105.2	103.6	101.7				160.9
DATE 05-07-75		315	93.8	93.3	93.0	96.4	96.7	97.8	98.8	100.8	102.7	104.9	105.9	104.5	103.6	102.3				160.7
BLN DBTF-MODEL 1		400	92.8	93.5	94.5	94.4	95.6	97.2	98.7	100.6	103.5	105.1	105.2	104.4	102.9	101.0				160.5
TAPE X10250		500	92.5	94.1	94.8	96.2	97.1	98.6	99.3	100.9	103.5	105.6	105.7	104.6	104.1	102.1				161.1
BAR 29.3 HG		630	92.2	93.2	94.2	95.8	97.4	98.8	99.9	101.9	104.3	105.4	105.5	104.8	104.0	101.8				161.3
(99111, N/42)		800	92.7	94.0	94.8	96.1	97.8	99.6	101.0	103.0	106.1	107.0	106.9	106.6	105.2	102.3				162.7
TAMB 67, DEG F		1000	93.3	95.1	95.5	97.6	98.7	100.5	101.7	103.9	106.3	107.2	106.6	107.2	106.4	102.4				163.2
(293, DEG K)		1220	93.3	96.9	96.7	97.9	99.4	101.5	102.1	104.3	106.6	107.8	107.5	107.8	106.3	102.5				163.8
TWT 56, DEG F		1600	94.5	99.0	99.2	99.3	100.0	101.4	101.5	104.8	106.9	107.4	107.7	107.0	105.0	101.8				163.9
(286, DEG K)		2000	95.2	101.5	101.9	101.3	101.7	101.7	102.0	104.1	105.5	106.4	106.3	106.0	103.9	100.8				163.6
HACT 0, GM/M3		2500	93.8	99.8	101.3	101.9	102.8	101.8	101.7	102.9	103.7	104.3	104.0	104.0	101.8	98.6				162.6
1, KG/M3		3150	90.7	96.5	97.7	99.7	101.0	100.9	100.1	101.1	101.7	102.0	101.4	101.4	98.9	95.7				160.7
FREQ. SHIFT		4000	86.9	93.6	94.6	95.5	97.0	98.0	97.6	98.4	99.2	99.5	98.7	98.3	96.9	93.1				158.3
JET 9		5000	82.4	89.7	91.0	92.0	92.5	94.3	94.6	95.1	95.5	96.2	95.6	96.0	94.3	89.7				155.7
DIAMETER RATIO		6300	79.7	86.7	88.2	89.0	89.8	90.6	90.8	92.2	92.8	93.9	92.6	93.0	91.2	87.4				153.2
DE/DM 8.00		8000	75.9	82.9	84.6	85.9	85.8	87.6	87.4	88.8	89.8	92.7	90.0	91.0	89.6	85.7				151.8
OVERALL CALCULATED		10000	73.0	80.2	81.6	82.8	83.3	84.1	84.8	86.1	86.9	93.2	88.3	90.8	90.2	86.8				152.5
PNDB		12500	70.8	77.4	78.2	79.7	81.7	84.6	82.6	83.8	83.0	95.0	88.3	91.3	90.6	88.0				155.3
			106.1	109.1	109.3	110.0	111.0	111.8	112.6	114.6	116.6	118.3	118.9	120.1	121.2	118.9				175.5
			125.7	120.4	121.3	122.0	123.0	123.6	123.7	125.2	126.8	127.9	127.7	127.9	126.8	123.9				170.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG, F, 70 PERCENT REL HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
REV: ALPHA 1273	FREQ: (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
NO EGA	50	67.6	67.4	71.8	72.7	74.2	75.4	77.7	79.0	81.6	84.6	84.7	88.7	91.1	82.8		
SIDELINE 24007 ET	63	69.9	71.7	73.5	73.5	75.0	76.5	78.3	81.1	81.9	83.7	85.4	90.5	89.4	83.4		
1731.52 M	80	70.5	72.2	73.3	73.4	75.4	75.6	78.9	81.0	83.1	83.9	87.8	88.6	90.1	85.0		
NFA 0. RPM	100	69.5	73.8	73.7	75.1	76.6	77.6	79.4	82.4	83.7	86.4	87.0	87.9	86.0	83.4		
(0. RAD/SEC)	125	70.7	76.7	73.9	74.7	76.1	77.9	80.3	81.8	84.2	86.9	87.1	85.2	84.0	78.6		
NFK 0. RPM	160	68.7	71.6	73.4	74.7	76.4	78.6	81.7	82.3	83.4	86.3	86.6	84.1	81.6	75.6		
(0. RAD/SEC)	200	67.5	72.4	73.3	75.0	77.4	78.7	81.2	82.5	84.4	86.0	85.7	82.9	78.8	73.0		
NFD 0. RPM	250	68.7	70.7	72.2	76.8	77.9	79.5	80.5	82.4	83.9	85.2	85.1	81.9	78.5	73.0		
(0. RAD/SEC)	315	67.2	70.6	73.4	74.6	76.5	78.6	80.2	82.0	84.5	85.2	84.1	81.5	77.3	71.1		
AIRFLOW RATIO	400	66.4	70.8	73.3	76.0	77.8	79.7	80.6	82.0	84.2	85.4	84.2	81.3	78.0	71.4		
WE/WM 8.00	500	65.4	69.9	72.4	75.3	77.7	79.6	80.9	82.8	84.6	84.9	83.7	81.0	77.3	70.1		
VEHICLE JENOTS	630	65.1	69.5	72.5	75.1	77.7	80.0	81.6	83.4	86.0	86.0	84.6	82.1	77.6	69.4		
CONFIG JE=059	800	64.5	69.8	72.4	76.0	78.0	80.4	81.7	83.8	85.7	85.6	83.5	81.9	77.6	67.7		
LCC EVENDALE	1000	63.2	70.5	72.7	75.5	78.1	80.7	81.9	83.6	85.3	85.4	83.6	81.5	76.1	65.8		
DATE 05-07-75	1250	62.7	71.3	74.2	76.0	77.8	79.8	80.2	83.3	84.7	84.1	82.6	79.4	73.2	62.6		
BUN BBT=MODEL 1	1600	61.0	72.0	75.3	76.7	78.3	79.0	79.5	81.4	82.2	81.8	79.8	76.5	69.7	58.0		
TAPE X10250	2000	56.6	68.1	73.0	75.7	78.0	77.7	77.9	78.9	78.9	78.2	75.6	72.3	64.7	51.5		
RAN TIP SPEED	2500	49.4	61.6	66.7	71.2	74.1	74.9	74.3	75.1	74.8	73.9	70.4	66.5	57.6	42.3		
FT/SEC	3120	38.9	53.6	59.4	63.3	66.7	68.8	68.8	69.2	68.9	67.3	63.5	58.3	48.9	29.6		
	4000	24.3	42.0	49.5	54.3	57.2	60.3	61.1	61.1	60.2	58.5	54.0	48.2	36.1	11.1		
	5000	15.7	34.5	43.0	48.1	51.6	53.8	54.5	55.5	54.6	53.0	47.3	40.8	27.2	0.1		
	6300	12.6	28.6	35.6	39.0	42.7	43.1	43.9	43.0	42.4	34.0	25.7	8.4				
	8000		9.0	18.0	23.4	26.7	28.3	28.8	26.9	28.5	15.7	5.4					
	10000				3.4	6.8	9.0	9.1	4.7	10.1							
OVERALL CALCULATED		79.7	84.0	85.6	87.7	89.6	91.2	92.7	94.5	96.3	97.4	97.2	97.1	96.5	90.6		
PNR		82.6	90.7	93.7	96.2	98.4	99.4	100.2	101.9	103.0	103.2	101.8	99.5	98.5	89.6		

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OF POOR QUALITY

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE 2 MONTH 43 DAY 0 HR 0.8
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG F, 70 PERCENT REL, HON, DAY 7 JENOTS)

SPL INPUT AT STD	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PHL
REV, ALPHA 12/73	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	
NO EGA	50	74.2	72.2	75.6	75.7	77.4	77.2	80.3	82.6	85.3	88.3	87.5	92.3	94.7	93.1			145.9
ROG, NO, 0	63	73.8	74.1	75.6	74.0	75.2	76.6	79.2	80.2	81.9	83.9	86.0	91.4	92.6	91.1			144.0
RADIAL 320, FT.	80	73.3	74.9	75.7	74.7	75.7	76.2	79.1	81.1	82.7	84.4	87.2	89.8	90.6	91.0			143.4
(98, M)	100	74.0	77.2	75.6	76.0	76.5	76.8	78.7	81.4	82.8	85.5	87.2	89.3	88.7	88.7			142.8
VEHICLE JENOTS	125	74.6	77.4	76.3	75.8	76.5	77.4	79.7	81.3	82.9	85.8	86.5	87.7	85.6	83.7			141.8
CONFIG JE-059	160	74.0	74.7	75.6	75.8	76.5	77.7	80.7	80.9	82.7	85.1	87.1	88.2	84.2	80.9			141.7
LOC EVENDALE	200	73.0	76.0	75.4	75.7	77.1	78.2	79.3	80.5	82.1	83.7	85.8	86.0	82.6	78.2			140.5
DATE 05-07-75	250	74.8	74.3	75.0	77.4	78.2	78.6	79.3	80.3	81.7	83.1	84.9	85.0	81.3	78.3			140.0
RUN DBTF-MODEL 1	315	73.5	76.0	77.0	74.2	76.8	77.7	78.9	80.7	81.3	83.1	83.7	84.4	79.9	77.7			139.6
TAPE X10260	400	73.1	75.9	77.0	77.5	77.6	78.4	78.8	80.4	81.1	83.4	84.4	84.6	81.6	79.1			140.0
BAR 29.3 HG	500	72.2	75.0	76.8	77.3	77.7	78.9	79.9	81.5	82.3	84.4	85.3	84.6	82.1	79.6			140.7
(99043, N/M2)	630	72.8	76.0	77.1	77.9	78.6	79.4	81.1	82.8	83.3	85.5	86.5	86.4	83.0	81.6			141.9
TAMB 64, DEG F	800	73.6	76.7	78.4	79.7	80.5	81.3	81.5	83.7	83.6	85.8	87.0	86.5	83.7	82.7			142.6
(291, DEG K)	1000	73.0	77.5	79.0	80.0	81.7	82.6	82.2	84.2	84.2	85.6	86.4	86.2	83.9	82.6			142.9
INLET 53, DEG F	1250	72.4	78.1	79.9	80.9	82.6	82.6	82.2	84.0	84.1	85.8	86.1	85.2	82.9	82.5			143.0
(285, DEG K)	1600	71.4	77.4	80.0	81.5	83.2	82.9	82.4	83.8	83.5	85.3	85.3	84.7	81.9	80.8			142.9
HACT 0, GM/M3	2000	69.2	75.8	77.8	79.6	81.0	81.3	81.1	82.4	82.7	84.1	83.5	83.0	80.3	79.1			141.5
(1, KG/M3)	2500	66.7	73.5	75.4	76.7	78.7	78.2	79.0	80.6	81.4	82.2	81.6	80.1	77.9	76.4			139.7
FREQ, SHIFT	3150	63.2	71.1	73.1	74.2	75.5	76.0	76.9	78.4	78.9	79.7	77.9	77.3	75.1	72.9			137.5
JET 9	4000	59.6	67.2	69.0	70.2	71.0	72.8	73.6	75.3	74.9	76.6	74.5	73.9	71.4	69.1			134.8
DIAMETER RATIO	5000	57.4	64.8	65.8	67.4	68.2	68.7	69.4	72.1	72.0	73.0	70.2	69.6	68.1	65.8			131.7
DF/DM 8.00	6300	55.0	61.2	62.5	63.5	63.9	64.5	65.2	68.7	67.9	70.8	67.3	67.5	66.9	64.5			129.7
OVERALL CALCULATED	8000	55.4	58.9	59.8	60.7	61.0	61.1	62.0	67.9	66.1	70.5	65.5	67.5	67.4	64.7			130.4
PND8	10000	56.3	57.4	56.9	57.7	59.7	59.0	60.6	68.8	65.7	72.7	66.5	69.5	69.2	66.5			134.1
		85.7	88.7	89.9	90.6	91.8	92.3	93.1	94.8	95.6	97.7	98.5	100.0	99.7	98.5			135.0
		93.4	98.4	100.0	101.1	102.4	102.8	103.3	105.1	105.6	107.2	107.0	107.1	104.9	103.3			156.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0.0)	(0.0)	(0.0)
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)			
NO EGA	50	50.3	50.6	55.5	56.7	59.2	59.4	62.7	64.8	67.1	69.4	67.5	70.7	70.9	65.8			
SIDELINE 2400' FT	63	49.9	52.4	55.5	55.0	57.0	58.8	61.5	62.4	63.7	65.0	65.9	69.7	68.6	63.6			
(731.52 M)	80	49.3	53.2	55.6	55.7	57.4	58.4	61.4	63.2	64.4	65.4	67.1	68.1	66.6	63.5			
NFA 0, RPM	100	49.8	55.3	55.4	56.9	58.1	58.8	60.9	63.4	64.4	66.4	67.0	67.4	64.5	60.9			
(0, RAD/SEC)	125	50.2	55.4	55.9	56.5	58.1	59.4	61.8	63.3	64.4	66.6	66.1	65.7	61.3	55.6			
NFK 0, RPM	160	49.4	52.5	55.1	56.5	57.9	59.5	62.7	62.8	64.1	65.8	66.6	66.1	59.6	52.6			
(0, RAD/SEC)	200	48.2	53.6	54.8	56.3	58.4	60.0	61.2	62.2	63.4	64.3	65.2	63.6	57.8	49.5			
NFD 0, RPM	250	49.7	51.8	54.2	57.8	59.4	60.2	61.0	61.9	62.9	63.5	64.1	62.4	56.2	49.0			
(0, RAD/SEC)	315	48.0	53.2	55.9	56.3	57.8	59.1	60.5	62.1	62.2	63.2	62.6	61.5	54.3	47.9			
AIRFLOW RATIO	400	47.0	52.6	55.6	57.3	58.3	59.5	60.1	61.5	61.7	63.2	63.0	61.3	55.5	48.5			
WF/WM 8.00	500	45.4	51.2	54.9	56.8	58.0	59.7	60.9	62.3	62.7	63.9	63.5	60.8	55.3	48.4			
	630	45.1	51.6	54.8	56.9	58.5	59.8	61.7	63.2	63.3	64.5	64.1	61.9	55.4	48.7			
	800	44.8	51.3	55.2	58.1	59.8	61.2	61.6	63.6	63.0	64.2	63.9	62.2	54.9	48.0			
VEHICLE JENOTS	1000	42.8	51.1	55.1	57.6	60.4	61.8	61.7	63.4	62.9	63.3	62.4	59.8	53.8	46.0			
CONFIG JE-059	1250	40.6	50.5	54.9	57.7	60.5	61.0	60.8	62.4	61.9	62.6	61.1	57.5	51.1	43.3			
LOC EVENDALE	1600	37.2	48.0	53.5	56.9	59.8	60.2	60.0	61.1	60.1	60.7	59.0	55.2	47.7	38.0			
DATE 05-07-75	2000	32.1	44.1	49.4	53.4	56.2	57.2	57.3	58.3	57.8	57.9	55.1	51.3	43.1	32.0			
RUN DBTFXMODEL 1	2500	25.3	38.6	44.4	48.2	51.8	52.1	53.3	54.5	54.5	53.7	50.6	45.2	36.6	23.0			
TAPE X10260	3150	15.1	31.1	37.9	42.0	45.2	46.7	48.0	49.2	48.6	47.5	42.7	37.3	27.1	9.4			
FAN TIP SPEED	4000	1.5	19.4	27.4	32.5	35.7	38.8	40.0	41.3	39.6	38.9	33.0	26.2	13.3				
FT/SEC	5000		12.7	20.6	26.5	30.0	32.0	33.2	35.3	33.7	32.1	25.0	17.4	4.1				
	6300			8.4	13.2	17.1	19.6	21.0	23.8	21.1	20.5	11.0	2.5					
	8000					1.1	3.7	5.5	10.5	6.1	5.7							
OVERALL CALCULATED	10000	59.9	64.6	67.3	69.1	71.0	72.1	73.5	75.0	75.7	77.1	76.9	77.3	75.1	70.3			
PND8		61.0	68.5	72.9	75.8	78.4	79.3	79.9	81.3	81.0	81.8	80.6	78.3	72.2	65.0			

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA {59, DEG, F, 70 PERCENT REL, HUM, DAY - JENOTS}

SPL INPUT AT STD REV, ALPHA 12/73	FREQ	ANGLES FROM INLET IN DEGREES (AND RADIANS)										PHL									
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	190,	200,	210,	220,
NO EGA	50	76,9	74,7	78,3	77,9	79,4	80,0	82,1	84,1	86,8	89,3	87,8	93,0	95,7	93,1	91,6	91,6	91,6	91,6	91,6	91,6
RDG, NO, 0	63	76,6	77,6	78,8	77,8	79,2	80,1	82,0	83,5	85,4	86,4	88,2	93,1	94,1	91,6	91,6	91,6	91,6	91,6	91,6	91,6
RADIAL 320, FT.	90	76,6	77,9	78,9	77,9	79,4	79,7	82,1	83,6	85,9	86,4	89,7	91,8	92,4	91,3	91,3	91,3	91,3	91,3	91,3	91,3
(98, M)	100	76,7	80,2	79,1	79,8	80,5	80,5	82,7	85,1	85,8	88,3	90,0	91,0	90,2	90,2	90,2	90,2	90,2	90,2	90,2	90,2
VEHICLE JENOTS	125	77,8	80,9	79,8	79,2	80,0	81,4	83,2	84,1	86,1	88,1	89,5	89,7	87,8	85,4	85,4	85,4	85,4	85,4	85,4	85,4
CONFIG JE-059	160	77,0	78,7	79,9	79,5	81,0	81,7	84,7	84,9	85,7	88,1	89,3	90,5	86,2	83,2	83,2	83,2	83,2	83,2	83,2	83,2
LOC EVENDALE	200	76,8	80,5	80,4	80,7	82,1	83,5	84,5	85,0	85,6	87,3	88,8	88,7	85,9	82,2	82,2	82,2	82,2	82,2	82,2	82,2
DATE 05-07-75	250	78,8	79,6	80,5	82,9	83,5	83,6	84,5	85,3	86,5	87,4	88,4	89,0	85,9	83,0	83,0	83,0	83,0	83,0	83,0	83,0
RUN DBTF-MODEL 1	315	78,6	81,3	83,0	81,7	83,1	84,2	85,5	86,4	87,1	89,1	89,8	89,4	86,2	83,8	83,8	83,8	83,8	83,8	83,8	83,8
TAPE X10270	400	78,8	81,7	82,8	84,0	84,4	85,1	86,1	87,4	87,6	90,1	91,0	90,9	86,4	85,7	85,7	85,7	85,7	85,7	85,7	85,7
BAR 29,3 HG	500	78,5	82,0	83,3	84,6	85,5	86,1	87,7	89,3	90,1	92,2	92,6	92,4	89,4	86,8	86,8	86,8	86,8	86,8	86,8	86,8
(99043, N/M2)	630	80,1	83,3	84,2	85,4	85,8	87,4	89,1	91,1	92,4	95,1	94,8	94,4	91,6	89,7	89,7	89,7	89,7	89,7	89,7	89,7
TAMB 69, DEG F	800	81,4	85,0	86,4	87,0	88,3	89,9	90,5	92,0	93,2	96,3	96,5	96,6	95,0	92,7	92,7	92,7	92,7	92,7	92,7	92,7
(294, DEG K)	1000	82,0	86,3	86,8	88,1	89,6	90,6	90,8	93,0	94,6	97,2	97,5	97,8	95,9	94,4	94,4	94,4	94,4	94,4	94,4	94,4
THEY 55, DEG F	1250	82,8	86,2	88,0	88,8	90,5	90,7	91,0	93,1	94,9	96,7	97,4	98,3	96,2	95,6	95,6	95,6	95,6	95,6	95,6	95,6
(286, DEG K)	1600	81,3	85,8	87,7	88,4	90,3	90,5	91,3	92,9	94,1	96,5	96,4	96,6	95,8	94,9	94,9	94,9	94,9	94,9	94,9	94,9
HACT 0, GH/M3	2000	79,6	84,4	85,9	87,2	89,4	89,7	90,8	92,0	93,1	95,0	94,4	95,2	94,2	94,0	94,0	94,0	94,0	94,0	94,0	94,0
(, KG/M3)	2500	77,3	82,6	83,6	85,6	86,9	87,8	88,7	90,2	91,9	92,6	92,5	93,0	92,3	91,4	91,4	91,4	91,4	91,4	91,4	91,4
FREQ, SHFT	3150	74,1	80,8	82,3	83,9	84,4	85,4	86,6	88,6	89,3	90,4	89,1	90,2	90,1	89,0	89,0	89,0	89,0	89,0	89,0	89,0
JET 9	4000	70,3	77,6	78,4	79,4	80,4	82,5	83,8	86,5	85,4	87,3	86,7	87,3	85,9	84,8	84,8	84,8	84,8	84,8	84,8	84,8
DIAMETER RATIO	5000	67,8	75,3	76,3	77,8	77,4	78,7	79,6	82,0	82,4	83,7	82,4	82,8	82,7	81,7	81,7	81,7	81,7	81,7	81,7	81,7
DE/DM 8,00	6300	64,4	71,4	72,6	74,4	74,1	75,4	77,1	78,8	78,8	81,5	79,0	80,4	80,5	78,6	78,6	78,6	78,6	78,6	78,6	78,6
	8000	60,8	68,3	69,4	70,6	71,2	71,7	73,2	75,0	74,9	80,6	76,9	78,6	79,3	76,6	76,6	76,6	76,6	76,6	76,6	76,6
OVERALL CALCULATED	10000	58,6	66,0	66,3	67,0	69,5	69,4	71,2	71,9	70,5	82,0	76,8	79,3	79,3	77,3	77,3	77,3	77,3	77,3	77,3	77,3
PND8	91,9	95,5	96,7	97,6	98,9	99,7	100,7	102,3	103,6	103,6	105,7	106,0	106,0	105,5	104,1	104,1	104,1	104,1	104,1	104,1	104,1
	101,8	106,4	107,6	108,9	110,2	110,9	112,0	113,6	114,8	116,6	116,6	116,6	117,0	115,9	114,8	114,8	114,8	114,8	114,8	114,8	114,8
																					163,8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
NO EGA	30	53.1	53.1	58.3	59.0	61.2	62.2	64.4	66.3	68.6	70.4	67.7	71.4	71.9	65.8				
SIDELINE 2400, FT	63	52.6	55.9	58.7	58.8	61.0	62.3	64.3	65.6	67.2	67.5	68.1	71.5	70.1	64.1				
(731.52 M)	80	52.5	56.2	58.8	58.9	61.2	61.9	64.4	65.7	67.6	67.4	69.6	70.1	68.4	63.7				
NFA	100	52.5	58.3	58.9	60.6	62.1	62.6	64.9	67.2	67.4	69.1	69.7	69.2	66.0	62.4				
(0, RPM)	125	53.5	58.9	59.4	60.0	61.6	63.4	65.3	66.1	67.7	68.9	69.1	67.7	63.5	57.4				
(0, RAD/SEC)	160	52.4	56.6	59.4	60.2	62.4	63.6	66.7	66.8	67.1	68.8	68.2	68.4	61.6	54.8				
NFK	200	52.0	58.1	59.8	61.3	63.4	65.3	66.4	66.8	66.9	67.8	68.2	66.4	61.1	53.5				
(0, RAD/SEC)	250	53.7	57.0	59.7	63.3	64.6	65.2	66.3	66.9	67.6	67.8	67.6	66.4	60.7	53.8				
NFD	315	53.0	58.4	61.9	61.9	64.1	65.6	67.0	67.8	68.0	69.2	68.7	66.6	60.6	53.9				
(0, RAD/SEC)	400	52.7	58.4	61.4	63.8	65.0	66.3	67.4	68.6	68.3	70.0	69.5	67.6	62.2	55.0				
AIRFLOW RATIO	500	51.7	58.2	61.4	64.1	65.8	67.0	68.7	70.1	70.5	71.7	70.8	68.6	62.6	55.2				
WE/WM 8.00	630	52.4	58.9	61.8	64.4	65.8	67.8	69.7	71.5	72.3	74.1	72.4	70.0	63.9	56.7				
	800	52.6	59.6	63.3	65.4	67.6	69.7	70.6	71.9	72.5	74.7	73.4	71.3	66.3	58.1				
VEHICLE JENOTS	1000	51.9	60.0	62.9	65.7	68.2	69.9	70.2	72.2	73.2	74.8	73.5	71.4	65.8	57.8				
CONFIG JE#059	1250	51.0	58.6	63.0	65.3	68.3	69.1	69.7	71.5	72.7	73.4	72.4	70.6	64.4	56.4				
LOC EVENDALE	1600	47.0	56.3	61.1	63.8	66.9	67.8	68.8	70.2	70.7	71.8	69.8	67.1	61.5	52.1				
DATE 05-07-75	2000	42.5	52.7	57.6	61.0	64.6	65.6	67.0	68.0	68.2	68.8	66.0	63.5	57.0	46.9				
RUN QSTF#MODEL 1	2500	36.0	47.7	52.6	57.1	60.0	61.8	62.9	64.2	64.9	64.1	61.5	58.1	51.0	37.9				
TAPE X10270	3150	26.0	40.8	47.1	51.7	54.1	56.2	57.7	59.3	59.1	58.2	53.9	50.2	42.0	25.5				
FAN TIP SPEED	4000	12.1	29.9	36.8	41.9	45.1	48.5	50.2	52.5	50.1	49.6	45.2	39.6	27.7	6.2				
FT/SEC	5000	3.8	23.1	31.0	36.9	39.1	41.9	43.3	45.3	44.2	42.8	37.2	30.6	18.7					
	6300		6.1	16.6	24.1	27.3	30.5	32.9	33.9	32.0	31.2	23.0	15.2						
	8000				5.9	11.2	14.3	16.6	17.6	15.0	15.8	4.3							
OVERALL CALCULATED	10000	64.4	70.1	73.1	75.2	77.4	78.8	80.1	81.5	82.2	83.5	82.6	81.5	78.8	71.8				
PND8		67.8	76.0	80.2	82.9	85.6	86.9	88.2	89.5	90.0	91.0	89.3	87.1	81.4	72.8				

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

SPL INPUT AT STD	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0.0	0.0	0.0	PWL
REV: ALPHA 12/73	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	
NO EGA	50	80.9	79.0	82.8	82.2	84.2	84.0	86.1	87.6	90.1	92.3	91.8	96.8	99.7	96.1			150.5
RDG: NO. 0	63	81.1	82.3	84.3	83.3	84.0	85.6	87.7	88.7	90.4	91.4	93.5	97.9	97.8	95.8			150.5
RADIAL 320, FT.	80	81.6	83.4	84.4	83.2	85.2	84.5	87.8	89.1	91.2	92.2	94.9	97.3	97.1	94.0			150.5
(98, M)	100	82.0	85.9	84.9	85.3	86.0	86.3	87.9	90.6	91.8	94.5	95.5	96.3	95.2	93.7			150.7
VEHICLE JENOTS	125	83.8	86.4	86.0	84.9	85.8	87.4	89.2	90.3	92.4	94.6	96.0	95.2	93.6	90.7			150.6
CONFIG JE-059	160	83.5	84.4	85.6	85.8	86.7	87.4	90.4	90.4	91.7	94.4	96.6	96.5	92.9	89.2			150.8
LOC EVENDALE	200	83.3	86.7	86.4	86.7	88.1	89.0	90.3	91.2	92.6	95.2	95.8	95.5	92.4	88.7			150.9
DATE 05-07-75	250	83.1	85.3	86.0	88.7	89.5	89.9	90.5	92.1	93.2	95.6	95.7	95.5	93.1	90.0			151.4
RUN DBTF-MODEL 1	315	84.1	86.8	88.5	88.2	88.9	89.9	91.5	92.7	94.3	97.1	96.0	95.9	93.2	90.0			152.1
TAPE X10250	400	84.6	87.2	88.8	89.7	90.4	91.1	92.6	93.9	94.8	96.4	96.9	96.4	94.3	91.4			153.1
BAR 29.3 HG	500	84.0	87.2	88.5	90.4	90.7	92.4	93.7	94.8	96.4	99.5	98.6	97.6	95.1	92.3			154.3
(99043, N/M2)	630	85.3	88.1	89.7	90.9	92.1	93.4	94.8	96.8	98.6	101.8	99.8	99.9	97.0	95.4			156.3
TAMB 67, DEG F	800	87.1	89.5	91.1	92.2	94.0	95.6	95.8	98.3	99.7	102.8	101.8	101.6	100.0	98.2			157.9
(293, DEG K)	1000	88.3	90.8	91.8	93.0	94.6	95.4	96.5	99.2	101.0	103.9	103.2	103.5	102.2	101.2			159.3
TWET 54, DEG F	1250	89.8	91.2	92.5	94.5	96.0	96.4	97.0	99.3	102.2	104.2	103.9	104.3	102.7	102.6			160.1
(285, DEG K)	1600	89.3	92.6	93.7	94.6	95.3	96.3	96.8	99.2	100.6	102.9	103.1	103.5	103.0	102.4			159.6
HACT 0, G4/M3	2000	88.1	92.4	94.2	94.2	94.9	95.4	96.3	98.5	99.0	101.2	100.3	102.1	101.1	101.0			158.4
(, KG/M3)	2500	86.8	92.6	94.0	94.1	94.6	94.1	94.7	96.2	97.1	99.1	98.5	99.5	98.3	98.1			156.8
FREQ, SHIFT	3150	84.1	90.8	92.0	93.1	93.9	93.9	93.0	94.3	94.8	96.6	95.3	96.4	95.8	94.8			155.1
JET 9	4000	79.2	86.1	88.1	89.1	89.6	91.2	91.2	91.4	91.6	93.5	92.4	93.0	93.1	90.5			152.7
DIAMETER RATIO	5000	76.5	83.0	84.7	86.3	86.8	86.9	87.8	88.0	88.6	89.6	88.3	89.8	89.7	88.2			149.7
DE/DM 8.00	6300	72.9	79.6	81.8	83.1	83.3	83.8	84.6	85.3	85.0	86.9	85.2	87.4	86.5	85.4			147.9
	8000	69.8	77.7	78.4	79.1	80.1	80.1	81.6	82.4	82.1	84.0	82.1	84.0	84.5	82.8			146.8
	10000	67.8	75.2	76.0	77.0	78.2	78.8	80.1	80.3	79.2	82.2	79.6	82.3	83.1	79.8			147.4
OVERALL CALCULATED		98.6	101.8	103.1	104.0	104.9	105.6	106.5	108.4	109.9	112.4	112.0	112.5	111.4	110.2			168.7
PND8		109.8	114.5	115.9	118.4	117.2	117.7	118.2	119.8	120.7	123.0	122.9	123.4	122.3	121.2			170.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	REV, ALPHA 12/73	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0	0	0
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
NO EGA		50	57.1	57.4	62.8	63.2	65.9	66.2	68.4	69.8	71.8	73.4	71.7	75.2	75.9	68.8						
SIDELINE 2400, FT.		63	57.1	60.7	64.2	64.3	65.7	67.8	70.0	70.9	72.2	72.5	73.4	76.2	73.9	68.4						
(731.52 M)		80	57.5	61.7	64.3	64.2	66.9	66.6	70.1	71.2	72.9	73.2	74.8	75.6	73.1	66.5						
NFA	0, RPM	100	57.8	64.1	64.7	66.1	67.6	68.3	70.1	72.7	73.4	75.4	75.2	74.4	71.0	65.9						
NFA	0, RAD/SEC	125	59.5	64.4	65.7	65.7	67.3	69.4	71.3	72.3	73.9	75.4	75.6	75.2	69.3	62.6						
NFK	0, RPM	160	58.9	62.3	65.1	66.5	68.2	69.3	72.4	72.3	73.1	75.1	76.1	74.3	68.4	60.8						
NFK	0, RAD/SEC	200	58.5	64.4	65.8	67.3	69.4	70.7	72.2	73.0	73.9	75.8	75.2	73.1	67.6	60.0						
NED	0, RPM	250	60.0	62.8	65.2	69.0	70.6	71.9	72.3	73.7	74.4	76.0	74.8	72.9	68.0	60.8						
NED	0, RAD/SEC	315	58.5	63.9	67.4	68.3	69.8	71.3	73.0	74.1	75.2	77.2	74.9	73.1	67.6	60.1						
AIRFLOW RATIO		400	58.5	63.9	67.4	69.6	71.0	72.3	73.9	75.1	75.5	78.2	75.5	73.1	68.2	60.7						
WE/WM 8.00		500	57.2	63.4	66.7	69.8	71.0	73.2	74.7	75.6	76.7	78.9	76.8	73.8	68.3	60.6						
		630	57.7	63.6	67.3	69.9	72.0	73.8	75.4	77.3	78.5	80.8	77.8	75.5	69.9	62.4						
VEHICLE	JENOTS	800	58.4	64.1	68.0	70.6	73.4	75.3	75.8	78.2	79.0	81.2	78.6	76.2	71.2	63.6						
CONFIG	JE-059	1000	58.2	64.5	67.9	70.7	73.2	74.6	76.0	78.5	79.7	81.6	79.3	77.2	72.1	64.5						
LOC	EVENDALE	1250	58.0	63.6	67.5	71.3	73.8	74.8	75.7	77.8	80.0	80.9	78.9	76.6	70.9	63.4						
DATE	05-07-75	1600	55.0	63.1	67.1	70.0	71.9	73.6	74.3	76.5	77.2	78.3	76.6	74.1	68.8	59.6						
RUN	DBTF-MODEL 1	2000	51.0	60.7	65.8	68.0	70.1	71.3	72.5	74.5	74.2	75.0	72.0	70.4	64.0	53.9						
TAPE	X10280	2500	45.5	57.7	63.1	65.6	67.7	68.0	68.9	70.2	70.2	70.6	67.5	64.6	57.0	44.7						
FAN TIP SPEED		3150	36.0	50.7	56.8	60.9	63.6	64.6	64.1	65.1	64.5	64.4	60.1	56.4	47.7	31.3						
		4000	21.1	38.3	46.6	51.4	54.3	57.2	57.7	57.4	56.3	55.8	50.8	45.3	35.0	11.9						
		5000	12.1	30.8	39.5	45.4	48.6	50.1	51.5	51.2	50.4	48.7	43.1	37.6	25.7	0.9						
		6300		14.3	29.8	32.8	36.5	38.9	40.3	40.4	38.2	36.6	29.2	22.1	5.3							
		8000			5.8	14.3	20.2	22.8	25.1	25.1	22.2	19.3	9.5									
		10000						4.1	6.5	5.6	1.0											
OVERALL CALCULATED			70.2	75.5	78.7	81.0	83.1	84.5	85.8	87.5	88.6	90.3	88.5	87.0	83.1	76.2						
PND8			75.1	82.6	86.9	89.4	91.5	93.0	94.1	95.8	96.5	97.8	95.8	93.5	88.1	79.3						

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA
 PROC. DATE = MONTH 48 DAY 0 HR; 0.0
 DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY = JENOTS)

SPL INPUT AT STD	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0.0	0.1	0.2	PWL
REV, ALPHA 12/73	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.1)	(0.2)	
NO EGA	50	82.4	82.2	84.8	83.4	84.2	84.7	87.1	89.3	92.1	95.6	96.8	103.3	105.5	105.4			156.2
RDO, NO. 0	63	83.6	85.6	85.8	83.8	84.5	85.9	88.0	89.7	91.4	93.4	96.2	104.4	107.1	104.3			156.8
RADIAL 320, FT.	80	87.8	86.2	85.9	84.7	85.4	85.7	88.1	90.1	92.4	93.7	98.9	104.3	106.1	106.3			157.1
(98, M)	100	86.7	88.4	86.4	86.5	86.5	86.5	88.7	91.1	92.5	96.3	99.5	103.0	104.2	106.0			156.4
VEHICLE JENOTS	125	87.3	88.1	86.0	84.9	86.0	87.2	89.4	90.6	92.9	96.1	98.5	101.2	101.8	101.7			154.5
CONFIG JE-059	160	85.0	85.4	85.6	85.5	86.2	87.2	90.2	91.2	92.4	96.1	99.6	101.7	100.4	97.7			154.2
LOC EVENDALE	200	83.8	86.0	84.9	85.2	86.3	87.7	89.3	91.0	91.8	94.8	98.3	99.5	97.1	94.7			152.3
DATE 05-07-75	250	84.6	84.1	83.8	86.7	87.0	87.6	88.5	90.1	92.0	94.1	97.4	98.0	94.1	91.8			151.4
RUN DBTF=MODEL 1	315	83.3	84.3	85.3	84.7	85.6	86.4	88.2	89.9	91.6	93.6	95.0	98.2	91.4	89.0			150.0
TAPE X10290	400	81.8	83.9	84.8	85.7	86.4	86.9	88.1	89.9	91.1	93.4	94.5	93.9	90.9	87.7			149.4
BAR 29.3 HG	500	81.0	84.0	84.5	85.9	86.5	87.4	88.4	90.5	91.4	93.2	93.9	93.1	89.6	86.6			149.3
(99009, N/M2)	630	81.6	84.6	84.7	85.7	86.3	88.4	89.1	91.1	92.9	94.8	95.0	94.2	91.1	88.9			150.5
TAMB 69, DEG F	800	81.9	85.7	85.6	87.5	88.0	89.4	89.8	91.8	92.9	95.8	95.8	95.3	93.2	91.7			151.3
(294, DEG K)	1000	82.0	86.8	87.3	87.8	89.1	90.6	90.8	92.7	93.8	95.7	96.5	96.5	94.2	94.7			152.4
INLET 55, DEG F	1250	82.0	86.7	87.5	88.8	90.0	90.7	90.3	92.8	94.4	95.2	95.4	96.0	94.0	94.8			152.4
(286, DEG K)	1600	80.5	85.8	86.7	88.1	89.5	90.5	90.8	92.2	93.4	96.0	95.1	95.1	93.5	93.4			152.2
HACT 0, GM/M3	2000	78.6	83.7	84.9	86.2	88.7	89.2	89.5	91.5	92.3	93.7	93.1	93.7	92.2	91.5			150.9
(, KG/M3)	2500	75.8	81.6	82.6	84.1	85.6	86.8	87.2	89.0	90.6	91.6	91.3	90.5	89.6	89.6			148.9
FREQ, SHIFT	3150	72.6	79.5	80.3	81.9	82.4	84.2	84.8	87.1	88.1	88.9	87.8	88.2	87.1	86.0			146.7
JET 9	4000	66.5	75.3	75.9	77.8	78.7	80.7	82.0	84.0	84.6	86.1	84.5	84.6	83.9	82.5			144.1
DIAMETER RATIO	5000	66.1	72.5	73.5	75.3	75.6	76.4	78.1	80.3	81.1	82.7	79.9	80.5	80.0	79.2			140.9
DE/DH 8.00	6300	63.9	69.4	70.1	71.4	71.6	73.1	74.9	76.3	76.6	80.0	77.2	78.9	78.5	76.4			139.1
OVERALL CALCULATED	8000	63.1	66.8	66.9	68.1	68.9	69.4	71.2	73.0	72.9	80.6	75.6	78.1	78.3	75.9			139.6
PND8	10000	66.4	65.5	65.5	66.3	68.8	68.1	70.4	70.9	68.5	82.5	76.6	79.6	79.6	76.8			143.1
		96.4	98.2	98.2	98.8	99.8	100.8	101.8	103.7	105.1	107.5	109.3	112.5	113.1	112.6			166.1
		103.3	107.1	107.7	108.8	110.2	111.1	112.0	113.9	115.0	117.1	117.1	118.1	116.9	116.0			167.4

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG; F; 70 PERCENT REL; HUM; DAY)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180			
REV; ALPHA 12/73		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)			
FREQ:		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180			
50		58.6	60.6	64.8	64.5	69.9	66.9	69.4	71.5	73.8	76.6	76.7	81.7	81.6	78.1					
63		61.6	63.9	65.7	64.8	66.2	68.0	70.3	71.9	73.2	74.5	76.1	82.7	83.1	76.9					
80		63.8	64.5	65.8	65.7	67.2	67.9	70.4	72.2	74.1	74.7	78.8	82.6	82.1	78.7					
100		62.5	66.6	66.2	67.4	68.1	68.6	70.9	73.2	74.2	77.1	79.2	81.2	80.0	78.2					
125		63.0	66.2	65.7	65.7	67.6	69.2	71.5	72.6	74.4	76.9	78.1	79.2	77.5	73.6					
160		60.4	63.3	65.1	66.2	67.7	69.1	72.2	73.1	73.9	76.8	79.1	79.6	75.9	69.3					
200		59.0	63.6	64.3	65.8	67.6	69.5	71.2	72.8	73.1	75.3	77.7	77.1	72.3	66.0					
250		59.5	61.5	63.0	67.0	68.1	69.2	70.3	71.7	73.1	74.5	76.6	75.4	69.0	62.6					
315		57.8	61.4	64.2	64.9	66.6	67.8	69.8	71.3	72.5	73.7	73.9	73.3	65.9	59.1					
400		55.7	60.6	63.4	65.6	67.0	68.0	69.4	71.1	71.8	73.2	73.0	78.6	64.7	57.0					
500		54.2	60.2	62.7	65.4	66.8	68.2	69.4	71.3	71.7	72.7	72.0	69.3	62.9	54.9					
630		53.9	60.1	62.3	64.7	66.3	68.8	69.7	71.5	72.8	73.8	72.6	69.7	63.4	56.0					
800		53.1	60.4	62.5	65.9	67.4	69.2	69.9	71.7	72.3	74.2	72.7	70.0	64.5	57.1					
1000		51.9	60.3	63.4	65.4	67.7	69.9	70.2	72.0	72.5	73.3	72.5	70.2	64.1	58.0					
1250		50.2	59.1	62.5	65.5	67.8	69.1	68.9	71.3	72.2	71.9	70.4	68.4	62.2	55.6					
1600		46.3	56.3	60.1	63.5	66.1	67.8	68.3	69.5	70.0	71.3	68.8	65.6	59.3	50.6					
2000		41.5	52.0	56.6	60.0	63.8	65.1	65.7	67.5	67.5	67.5	64.8	62.0	55.0	44.4					
2500		34.5	46.7	51.6	55.6	58.7	60.8	61.4	63.0	63.7	63.1	60.3	55.6	48.3	36.2					
3150		24.5	39.5	45.1	49.7	52.1	54.9	55.9	57.8	57.8	56.7	52.6	48.2	39.0	22.5					
4000		10.4	27.6	34.3	40.2	43.4	46.7	48.5	50.0	49.3	48.4	42.9	36.7	25.7	4.0					
5000		2.1	20.3	28.3	34.4	37.4	39.7	41.8	43.5	42.9	41.8	34.7	28.4	16.9						
6300			4.1	14.1	21.1	24.8	28.2	30.6	31.4	29.8	29.7	21.2	18.7							
8000					3.4	9.0	12.1	14.6	15.6	13.0	15.8	3.1								
10000																				
OVERALL CALCULATED		71.2	74.7	76.2	77.7	79.4	80.9	82.4	84.1	85.1	86.9	88.0	90.0	88.8	84.7					
PNDB		71.6	77.8	80.9	83.8	86.1	87.8	88.8	90.4	91.1	92.3	91.3	90.8	87.1	82.0					

SPL INPUT AT STD REV, ALPHA 12/73	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0.0)	(0.0)	(0.0)	PWL
NO EGA	50	86.9	75.0	78.1	76.7	87.9	88.5	90.6	92.8	94.6	98.6	99.5	106.8	110.2	108.1				159.9
RDG NO	63	89.3	78.1	78.8	77.5	88.7	89.6	91.5	94.0	95.7	97.4	100.0	107.1	109.6	106.8				159.6
RADIAL 320 FT	80	89.3	78.7	79.4	77.4	88.9	89.0	91.8	93.6	96.2	98.2	102.4	106.8	109.9	108.3				160.1
(98, M)	100	88.2	80.7	79.1	79.3	90.3	90.0	92.2	94.9	97.0	100.8	103.0	106.8	106.0	107.0				158.8
VEHICLE JENOTS	125	88.8	83.6	79.5	79.2	89.8	90.4	93.2	94.8	97.1	100.6	102.2	103.7	103.4	101.7				157.1
CONFIG JE=059	160	87.7	78.4	79.1	79.3	90.5	90.9	94.2	94.9	96.7	99.9	102.8	104.0	100.4	98.2				156.7
LOC EVENDALE	200	86.8	79.7	78.9	79.7	90.6	91.7	93.8	95.0	96.6	98.7	101.6	101.5	98.4	95.5				155.6
DATE 05-07-75	250	87.6	78.6	78.3	81.2	91.2	92.4	93.3	94.8	96.5	98.1	100.2	100.3	97.1	94.3				154.8
RUN DBTF MODEL 1	315	87.3	79.1	79.8	79.7	90.6	92.2	93.5	94.9	97.0	99.3	99.8	98.9	95.4	93.0				154.5
TAPE X10300	400	87.3	79.7	80.3	81.2	92.1	93.4	94.0	95.7	96.8	98.6	99.9	98.9	96.6	93.7				154.9
BAR 29.3 HG	500	86.2	79.2	80.0	81.6	92.2	93.6	95.2	96.5	97.6	100.4	99.6	99.1	96.6	94.1				155.4
(99043, A/M2)	630	87.8	80.1	80.7	82.1	92.8	94.6	96.1	98.3	99.6	102.5	100.8	100.7	98.8	96.4				157.1
TAMB 69, DEG F	800	88.9	80.9	82.1	83.5	94.2	95.8	97.0	99.0	100.9	103.3	102.5	102.3	100.9	99.7				158.5
(294, DEG K)	1000	90.0	82.0	83.3	84.0	95.3	96.6	97.7	99.9	102.0	104.6	104.2	104.2	103.1	102.1				160.0
TWET 55, DEG F	1250	91.7	83.4	83.9	85.5	96.4	97.1	97.9	101.0	103.1	105.6	104.8	105.7	104.9	104.0				161.3
(286, DEG K)	1600	91.2	85.0	85.3	85.5	96.2	97.2	98.0	100.1	101.8	103.4	103.0	104.5	104.2	103.1				160.2
HACT 01, GM/M3	2000	90.5	85.8	86.3	85.9	96.6	96.3	97.0	98.9	100.5	101.6	101.0	102.6	102.1	101.4				158.9
(1, KG/M3)	2500	89.0	85.3	85.7	86.0	96.3	95.5	95.6	96.7	98.0	99.3	98.7	100.4	99.0	98.0				157.1
FREQ, SHIFT	3150	88.8	82.0	82.7	84.3	94.6	94.8	93.7	95.0	95.7	96.5	95.5	97.4	96.5	95.0				155.2
JET 9	4000	82.7	77.0	78.3	79.8	89.8	91.9	91.4	92.6	92.3	93.5	92.9	94.0	93.8	91.5				152.9
DIAMETER RATIO	5000	78.0	74.2	75.5	76.8	86.8	87.6	88.1	88.7	89.3	89.9	89.3	90.5	90.7	89.2				149.8
DF/DH 8.00	6300	73.4	71.1	72.6	73.6	83.5	83.8	84.8	85.8	85.8	87.2	86.2	88.7	89.3	87.1				148.3
	8000	76.8	68.0	69.2	70.4	80.7	80.7	81.7	83.0	83.0	85.6	85.4	87.4	89.1	86.1				148.3
	10000	73.1	66.6	66.5	67.3	79.3	79.4	80.9	81.1	79.8	85.6	86.6	87.9	89.4	86.6				150.9
OVERALL CALCULATED		101.6	94.6	95.0	95.6	106.3	107.0	108.1	110.0	111.7	114.1	114.4	116.4	117.2	115.6				171.1
PND8		112.5	107.0	107.9	108.1	128.6	118.9	119.4	120.9	122.3	124.1	123.9	126.3	124.7	123.4				172.4

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190
REV. ALPHA 12/73		FREQ.	(0.52)	(0.70)	(0.87)	(1.10)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)
NO EGA		50	63.1	53.4	58.0	57.7	69.7	70.7	72.9	75.0	76.3	79.6	79.5	85.2	86.4	80.8	85.6	80.8
SIDE LINE 2400' FT		63	65.4	56.4	58.7	58.5	70.5	71.8	73.6	76.1	77.4	78.5	79.9	85.5	85.6	79.4	85.6	79.4
(731.52 M)		80	65.3	57.0	59.3	58.4	70.7	71.1	74.1	75.7	77.9	79.2	82.3	85.1	85.9	80.7	85.9	80.7
NFA 0, RPM		100	64.0	58.8	58.9	60.1	71.9	72.1	74.4	76.9	78.7	81.6	82.7	83.9	81.8	79.2	81.8	79.2
(0, RAD/SEC)		125	64.5	61.7	59.2	60.0	71.3	72.4	75.3	76.8	78.7	81.4	81.9	81.7	79.0	73.7	81.7	73.7
NFK 0, RPM		160	63.2	56.3	58.6	60.0	71.9	72.8	76.2	76.8	78.1	80.6	82.1	81.9	75.9	69.8	81.9	69.8
(0, RAD/SEC)		200	62.0	57.4	58.3	60.3	71.9	73.5	75.7	76.7	77.9	80.3	81.0	79.1	73.6	66.7	79.1	66.7
NFD 0, RPM		250	62.5	56.0	57.4	61.5	72.4	74.0	75.0	76.4	77.6	79.3	79.3	77.7	72.0	65.0	77.7	65.0
(0, RAD/SEC)		315	61.7	56.2	58.7	59.8	71.5	73.6	75.0	76.3	78.0	79.5	78.7	75.1	69.9	63.1	75.1	63.1
AIRFLOW RATIO		400	61.2	56.4	58.9	61.1	72.8	74.5	75.3	76.8	77.5	79.5	78.5	75.6	70.5	63.0	75.6	63.0
WE/HM 8.00		500	59.5	55.4	58.2	61.1	72.5	74.4	76.2	77.3	77.9	79.9	77.7	75.3	69.8	62.4	75.3	62.4
		630	60.2	55.6	58.3	61.1	72.7	75.1	76.7	78.7	79.5	81.5	78.4	75.2	71.2	63.4	75.2	63.4
		800	60.1	55.6	59.0	61.8	73.6	75.7	77.1	78.9	80.3	81.7	79.4	77.0	72.2	65.0	77.0	65.0
VEHICLE JENOTS		1000	59.9	55.7	59.3	61.6	73.9	75.9	77.2	79.2	80.7	82.3	80.2	77.9	73.0	65.5	77.9	65.5
CONFIG JE*059		1250	59.9	55.8	58.9	62.2	74.3	75.5	76.6	79.4	80.9	82.3	79.8	78.0	73.1	64.8	78.0	64.8
LOC EVENDALE		1600	57.0	55.5	58.8	60.9	72.8	74.5	75.5	77.4	78.4	78.8	76.6	75.0	70.0	60.3	75.0	60.3
DATE 05-07-75		2000	53.4	54.1	58.0	59.7	71.8	72.3	73.1	74.9	75.7	79.4	72.7	70.9	65.0	54.3	70.9	54.3
RUN DBTF*MODEL 1		2500	47.7	50.4	54.7	57.6	69.4	69.5	69.9	70.6	71.1	70.8	67.7	65.5	57.7	44.6	67.7	44.6
TAPE X10300		3150	37.7	41.9	47.5	52.1	64.3	65.6	64.8	65.8	65.5	64.4	60.3	57.4	48.4	31.5	57.4	31.5
FAN TIP SPEED		4000	24.6	29.3	36.8	42.1	54.5	57.9	57.9	58.7	57.0	55.8	51.4	46.3	35.7	12.9	51.4	12.9
FT/SEC		5000	14.0	22.0	30.2	35.9	48.6	50.9	51.8	52.0	51.1	49.0	44.1	38.3	26.7	1.9	44.1	1.9
		6300		5.8	16.5	23.3	36.7	38.9	40.6	40.9	39.0	39.9	30.2	23.4	8.1		30.2	
		8000				5.7	20.7	23.4	25.2	25.7	23.0	20.9	12.8	2.0			20.9	
		10000					1.0	4.7	7.3	6.4	1.5	0.7					0.7	
OVERALL CALCULATED			74.5	69.1	71.1	73.0	84.8	86.2	87.9	89.6	90.9	92.7	92.3	93.2	92.1	86.7	92.1	86.7
PNDB			78.0	75.3	78.7	81.0	93.2	94.4	95.6	97.3	98.3	99.3	97.5	98.5	92.1	85.3	92.1	85.3

501

ORIGINAL PAGE IS
OF POOR QUALITY

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	30	40	50	60	70	80	90	100	110	120	130	140	150	160	PHL
REV, ALPHA 12273	FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)
ND EGA	50	90.9	89.0	91.3	91.2	92.2	93.5	94.8	96.6	99.3	102.8	104.0	110.0	111.4	163.6
REG NO, 0	53	93.6	93.1	93.3	92.3	93.2	94.1	96.5	98.2	100.2	101.9	104.7	111.4	113.3	163.7
RADIAL 320, FT.	80	95.1	94.2	94.7	92.4	93.9	93.7	96.6	98.6	101.2	102.7	106.9	110.6	114.6	164.8
(98, M)	100	94.5	95.9	94.1	94.5	95.5	95.8	97.9	100.1	101.8	105.3	107.2	109.5	110.5	163.5
VEHICLE JENQTS	125	95.6	98.9	94.3	94.1	94.8	96.2	97.9	99.8	102.6	106.1	107.2	106.9	107.6	162.1
BCNFIG JE4059	150	94.0	93.9	94.1	94.5	95.5	96.7	100.2	100.4	101.9	105.6	107.6	107.5	105.2	161.7
LCC EVENDALE	200	92.0	95.0	94.2	95.0	96.3	97.2	98.8	100.5	102.3	105.2	106.3	105.5	103.9	160.9
DATE 05-07-75	250	93.8	93.6	93.3	95.9	97.0	97.8	98.8	100.8	102.7	104.9	105.9	105.7	104.1	160.9
RUN CBTE-MODEL 1	315	92.8	94.0	94.5	94.4	95.6	97.7	99.2	100.4	103.3	105.1	105.2	104.7	102.9	160.5
TAPE X10310	400	93.0	94.4	95.0	96.5	96.8	98.3	99.5	100.6	103.8	105.6	105.7	104.9	103.8	161.1
BAR 29.4 HG	500	92.7	93.7	94.5	95.6	97.4	98.8	100.1	101.9	104.5	105.6	105.8	104.8	103.8	161.4
(99144, N/42)	630	93.2	94.2	94.6	96.3	97.8	99.3	101.0	103.5	105.6	107.0	106.4	106.4	104.7	162.5
TAMB 67, DEG F	800	93.5	95.6	95.5	97.4	98.9	100.5	101.2	103.7	106.1	107.0	106.4	107.2	104.4	163.1
(293, DEG K)	1000	93.6	96.6	96.9	98.4	99.4	100.7	101.9	104.3	106.4	107.8	107.3	107.6	105.5	163.7
TWET 56, DEG F	1250	94.0	98.5	99.0	98.8	100.5	100.9	102.0	104.8	106.2	107.4	107.2	107.3	104.7	163.7
(286, DEG K)	1600	94.4	100.8	101.4	100.3	100.7	101.0	102.5	103.9	105.3	106.4	105.8	105.2	103.2	163.2
WACT 0, GM/M3	2000	93.0	99.3	100.8	101.4	102.5	101.8	101.4	102.9	103.4	103.8	103.7	103.8	101.3	162.3
(1, KG/M3)	2500	89.7	95.7	97.2	99.0	100.7	100.7	99.8	100.8	102.0	102.2	101.6	101.6	98.9	160.7
FREQ: SHIFT	3150	85.9	93.1	94.4	95.5	96.5	98.0	97.6	98.2	99.2	99.7	97.9	98.8	96.9	158.3
JET 9	4000	81.4	89.7	90.5	92.2	92.5	94.3	94.9	95.3	95.5	96.7	95.8	95.7	93.8	155.8
DIAMETER RATIO	5000	79.5	86.7	88.2	89.2	90.1	90.4	90.8	91.7	92.8	94.1	92.1	92.7	90.7	153.1
DF/CM 8.00	6300	75.4	83.4	84.6	86.4	86.1	87.1	87.4	89.1	89.1	93.0	90.0	91.0	90.1	151.8
OVERALL CALCULATED	8000	72.7	80.4	81.8	83.3	83.1	83.6	84.3	86.4	86.9	92.3	88.3	90.3	89.7	152.1
PNB	10000	71.1	77.7	79.0	79.5	80.7	81.1	82.4	83.8	83.7	94.5	87.8	91.3	90.6	155.0
		106.1	108.9	109.2	109.7	110.9	111.6	112.7	114.5	116.4	118.8	118.7	120.0	121.0	175.4
		115.3	120.1	121.0	121.7	122.9	123.4	123.6	125.0	126.4	127.8	127.5	127.9	126.4	176.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	0,
SPL INPUT AT STD		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)
REV. ALPHA 12/73		PREQ,																	
NO EGA		50	67.1	67.4	71.3	72.2	73.9	75.7	77.2	78.8	81.1	83.9	84.0	88.4	90.1	84.1			
SIDELINE 2400' FT,		63	69.6	71.4	73.2	73.3	75.0	76.3	78.8	80.4	81.9	83.0	84.6	89.7	89.4	83.6			
(731.52 M)		80	71.0	72.5	74.6	73.4	75.7	75.9	78.9	80.7	82.9	83.7	86.8	88.8	90.6	86.0			
BFA 0, RPM		100	70.3	74.1	73.9	75.4	77.1	77.8	80.1	82.2	83.4	86.1	87.0	87.7	86.3	84.7			
(0, RAD/SEC)		125	71.2	76.9	73.9	75.0	76.3	78.2	80.0	81.8	84.2	86.9	86.9	84.9	83.3	79.9			
BFA 0, RPM		150	69.4	71.9	73.6	75.2	76.9	78.6	82.2	82.3	83.4	86.3	87.1	85.3	80.6	76.3			
BFA 0, RPM		200	67.2	72.6	73.5	75.5	77.6	79.0	80.7	82.2	83.6	85.8	85.7	83.1	79.1	74.2			
(0, RAD/SEC)		250	68.7	71.0	72.4	76.3	78.1	79.5	80.5	82.4	83.9	85.2	85.1	83.2	79.0	73.0			
BFD 0, RPM		315	67.2	71.1	73.4	74.6	76.5	79.1	80.7	81.8	84.2	85.2	84.1	81.8	77.3	71.9			
(0, RAD/SEC)		400	66.9	71.1	73.6	76.3	77.5	79.5	80.8	81.8	84.5	85.4	84.2	81.6	77.7	71.4			
AIRFLOW RATIO		500	65.9	69.9	72.6	75.0	77.7	79.6	81.1	82.8	84.9	85.1	83.9	81.0	77.0	70.3			
WF/KH 8.00		600	65.6	69.8	72.2	75.3	77.7	79.7	81.6	83.9	85.5	86.0	84.1	81.9	77.1	69.6			
		800	64.8	70.3	72.4	75.8	78.3	80.4	81.2	83.5	85.4	85.3	83.3	81.9	77.6	68.5			
VEHICLE JENOTS		1000	63.5	70.3	72.0	76.0	78.1	80.0	81.3	83.6	85.0	85.4	83.3	81.2	75.4	67.1			
CONFIG JE=059		1250	62.2	70.8	74.0	75.5	78.3	79.3	80.7	83.0	84.0	84.1	82.1	79.6	72.9	62.9			
LCC EVENDALE		1600	60.2	71.3	74.8	75.7	77.3	78.3	80.0	81.2	81.9	81.8	79.3	75.7	69.0	58.8			
DATE 05-07-75		2000	55.9	67.6	72.5	75.2	77.7	77.7	77.6	78.9	78.6	77.7	75.4	72.1	64.2	52.3			
RUN QBT=MODEL 1		2500	68.4	60.8	66.2	70.5	73.8	74.7	74.0	74.8	75.0	73.7	70.6	66.7	57.6	43.5			
TARE X10310		3150	37.9	53.1	59.2	63.3	66.2	68.8	68.8	68.9	68.9	67.5	62.7	58.8	48.9	30.4			
CAN TIP SPEED		4000	23.3	42.0	49.0	54.5	57.2	60.3	61.3	61.3	60.2	59.0	54.3	48.0	35.6	11.6			
FT/SEC		5000	35.5	34.5	43.0	48.3	51.8	53.6	54.5	55.0	54.5	53.2	46.8	40.6	26.7	0.9			
		6300		18.1	28.6	36.1	39.3	42.2	43.1	44.2	42.3	42.7	34.0	25.7	8.9				
		8000			9.2	18.5	23.1	26.2	27.8	29.0	26.9	27.8	15.7	4.9					
		10000					2.4	6.3	8.8	9.1	5.5	9.6							
OVERALL CALCULATED			79.9	84.1	85.7	87.6	89.6	92.1	92.8	94.4	96.4	97.2	97.0	97.0	96.3	91.5			
PNRR			82.6	90.4	93.5	95.9	98.3	99.4	100.3	101.7	102.8	103.2	101.5	99.5	96.5	90.6			

503

ORIGINAL PAGE IS
OF POOR QUALITY

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PHL
BEV. ALPHA 12(73)	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
NO EGA	30	96.2	74.2	78.3	77.9	79.4	79.2	80.6	82.3	84.1	86.1	84.5	90.8	93.2	93.1			144.8
RDG. NO. 0	53	76.3	77.8	79.8	78.0	79.0	80.4	81.5	83.0	84.4	85.4	87.7	92.9	93.1	93.1			145.5
RADIAL 320. FT.	80	77.1	78.9	79.7	78.7	80.2	80.0	82.6	83.6	85.2	84.7	87.7	91.1	92.4	93.8			145.2
(98. 4)	100	78.7	81.7	79.9	80.5	81.3	80.8	81.7	84.6	85.3	88.0	89.5	91.0	91.0	92.7			145.5
VEHICLE JENOTS	125	79.3	83.1	80.5	80.4	80.8	82.2	83.4	84.1	85.6	87.6	88.7	90.2	90.1	87.9			144.8
PCNFIG JE=059	150	79.2	80.2	80.6	80.0	81.2	82.2	84.4	84.4	84.9	86.9	88.8	90.5	88.7	85.7			144.5
LOC EVENDALE	200	78.5	81.7	81.4	81.5	83.1	83.0	83.5	85.0	85.3	87.0	88.6	89.4	86.6	84.0			144.3
DATE 05-07-75	250	80.6	80.6	80.8	82.9	83.7	83.8	84.0	85.1	85.5	86.4	88.2	89.2	86.1	84.0			144.3
RUN DBTF=MODEL 1	315	80.0	81.8	83.0	82.4	82.8	83.4	84.2	85.9	86.5	86.8	88.5	89.2	86.4	84.2			144.7
TAPE X10320	400	79.3	82.4	83.3	84.7	84.6	85.1	85.0	86.6	87.3	88.4	89.7	90.4	87.8	86.4			145.9
BAR 29.4 HG	500	78.9	82.7	83.2	84.3	84.4	85.6	85.6	87.5	88.6	89.9	91.1	90.8	88.6	86.5			146.8
499240 N/M2	630	79.7	84.0	83.9	84.6	84.8	86.6	87.3	89.3	90.1	91.7	93.2	92.4	90.3	89.1			148.4
TAMB 61 DEG F	800	80.0	84.9	85.8	86.7	87.2	88.5	88.0	90.4	91.1	92.7	94.4	93.5	92.4	91.1			149.8
(289 DEG K)	1000	80.6	85.4	86.7	86.7	87.9	89.3	88.4	90.6	91.7	93.8	94.6	94.9	98.1	93.3			150.7
WTET 52 DEG F	1250	80.6	86.0	87.0	87.9	88.1	89.0	88.6	90.9	92.0	94.0	95.0	94.3	93.0	93.4			150.9
(284 DEG K)	1600	79.0	85.6	86.4	86.6	87.8	88.8	88.8	90.4	91.4	93.0	93.9	93.3	91.8	91.9			150.3
WACT 0 DM/M3	2000	77.1	84.2	84.4	85.5	86.9	88.1	88.3	89.5	90.3	91.9	92.3	91.9	89.9	90.2			149.8
KG/M3	2500	73.8	82.6	83.0	83.8	84.6	85.3	85.9	87.7	88.8	90.0	89.7	89.7	88.3	87.8			147.5
FREQ. SHIFT	3150	71.3	80.2	81.0	81.8	81.6	83.5	83.7	85.5	86.5	87.8	86.5	86.7	85.5	84.2			145.5
JET 9	4000	67.0	77.0	77.3	78.5	78.3	80.6	80.4	82.4	83.0	84.7	83.4	83.5	82.3	80.2			143.0
DIAMETER RATIO	5000	64.8	74.5	75.0	75.5	75.8	76.6	77.1	78.7	79.8	80.4	79.1	78.5	78.2	77.2			139.6
DE/DM 8.00	6300	60.4	70.3	71.6	72.1	72.1	73.4	73.9	75.3	76.1	77.2	75.2	75.4	75.0	73.1			137.4
OVERALL CALCULATED	8000	58.1	65.3	66.5	68.7	70.5	70.0	71.2	72.8	72.2	75.2	71.2	72.7	71.6	69.9			136.4
PNBB	10000	57.0	60.3	66.4	66.4	69.9	69.0	70.0	71.0	68.9	75.4	68.9	71.4	70.4	68.1			137.8
		91.6	95.7	96.2	96.8	97.5	98.5	98.7	100.4	101.3	103.0	104.0	104.5	103.4	103.2			161.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT RELY HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)
SPL INPUT AT STU																	
BEV, ALPHA 12(75)																	
FREQ		50	53	50	50	50	50	50	50	50	50	50	50	50	50	50	50
NO EGA		50	53	50	50	50	50	50	50	50	50	50	50	50	50	50	50
BIDELINE 2400 ET		50	53	50	50	50	50	50	50	50	50	50	50	50	50	50	50
(731.52 M)		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
RFA 0, RPM		125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
(0, RAD/SEC)		150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
RFA 0, RPM		200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
(0, RAD/SEC)		250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
RFA 0, RPM		315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315
(0, RAD/SEC)		400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
MIRELOW RATIO		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
WE/WH 8.00		630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630
VEHICLE JENOTS		800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
RCNFIS JE055		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
LCC EVENDALE		1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250
DATE 05-07-75		1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
BUN CBTF=MODEL 1		2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
TARE X10320		2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
EAN TIP SPEED		3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150
FT/SEC		4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
6300		5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
8000		6300	6300	6300	6300	6300	6300	6300	6300	6300	6300	6300	6300	6300	6300	6300	6300
OVERALL CALCULATED		8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000
PNDB		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000

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PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC: DATE - MONTH 71 DAY 0 HR, 0.6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59: DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PWL		
REV: ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)	(3.67)	(3.85)
20	79.2	77.2	81.3	80.2	81.7	82.2	83.3	84.8	86.6	88.6	86.8	93.3	96.0	94.6							147.2
NO EGA	63	79.1	80.3	81.8	80.5	82.0	82.6	84.2	85.7	87.4	88.4	90.2	95.1	96.1	95.3						148.1
RDG, NO, 01	80	79.8	81.7	82.7	81.4	83.2	83.0	85.1	86.6	88.2	87.9	90.4	93.6	94.1	95.3						147.6
RADIAL 320, FT,	100	81.0	83.2	82.4	83.3	83.8	83.8	84.7	87.1	88.3	90.8	92.2	93.5	98.0	94.5						148.0
{ 98, M) -----	125	82.3	83.4	83.8	83.1	84.0	85.2	86.2	87.1	88.4	90.3	92.2	93.2	98.1	89.9						147.6
VEHICLE JENOTS	150	81.7	82.7	83.6	83.5	84.5	85.4	87.4	87.7	88.5	90.4	92.6	93.2	91.2	87.9						147.6
MCNFIG JE*059	200	81.0	84.0	84.1	84.5	85.1	86.2	87.0	88.0	88.3	90.5	92.1	92.4	89.6	87.2						147.4
LCC EVENDALE	250	82.8	83.1	84.0	86.1	87.2	87.3	88.3	89.0	89.9	92.9	92.5	89.6	87.8							147.9
DATE 05-07-75	315	82.8	85.0	86.7	86.7	86.6	87.4	87.9	90.1	90.0	91.6	93.2	93.2	90.6	88.0						148.8
RUN DBTF=MODEL 1	400	83.3	85.4	87.5	88.0	88.6	88.8	89.3	90.6	90.8	92.6	94.7	94.4	92.1	90.1						150.0
TAPE X10330	500	82.7	86.0	87.5	88.1	88.7	89.6	90.4	92.0	92.8	94.2	95.6	95.1	92.6	90.5						151.0
BAR 29.4 HG	630	83.2	87.0	88.1	88.8	89.5	90.6	91.5	93.5	94.3	96.5	96.7	96.9	94.5	92.8						152.6
{ 99246, N/Y2)	800	84.3	88.1	89.3	90.2	91.4	92.3	92.5	94.4	95.4	97.2	98.4	98.5	96.4	96.1						154.1
YAMB 61, DEG F	1000	85.4	89.4	90.7	91.2	92.7	93.5	92.9	95.4	96.4	98.3	99.6	99.4	98.3	98.3						155.4
(289, DEG K)	1250	87.6	92.3	95.5	95.6	96.3	97.5	94.6	97.6	99.2	100.0	100.2	100.6	99.3	100.4						157.6
YMET 52, DEG F	1600	86.0	93.3	93.4	92.9	93.8	93.5	93.1	95.2	96.4	98.0	98.6	99.1	98.8	99.2						155.8
(284, DEG K)	2000	86.3	95.4	94.9	94.2	94.6	94.1	93.5	94.3	95.0	96.7	97.3	97.4	97.4	98.2						155.5
WACT 0, GM/M3	2500	85.3	95.3	95.3	95.1	95.1	94.5	92.9	93.4	94.0	94.5	94.7	95.5	95.3	95.8						154.9
{, KG/M3)	3150	82.0	91.5	92.5	93.5	93.5	93.5	92.2	92.2	91.5	91.8	91.2	92.2	92.0	92.0						153.1
FREQ, SHIFT	4000	77.2	86.5	87.3	88.5	88.8	90.9	90.9	90.4	88.8	89.7	87.9	88.8	88.8	88.0						150.7
JET 9	5000	73.8	83.7	84.2	85.5	85.1	85.9	86.1	87.2	86.3	86.1	84.6	85.2	84.9	85.7						147.5
DIAMETER RATIO	6300	70.1	78.8	80.6	81.4	80.6	82.1	82.1	83.1	82.3	83.7	81.5	82.2	82.3	81.9						145.0
DF/CM 8.00	8000	67.6	74.8	76.0	77.2	77.0	78.2	78.0	79.0	78.7	82.9	78.7	80.4	80.6	79.7						143.9
10000	87.0	70.1	71.4	71.9	72.6	73.7	73.5	75.5	74.1	83.6	77.9	80.9	80.4	77.6							144.9
OVERALL CALCULATED	96.5	102.4	103.2	103.3	103.9	104.3	103.7	105.3	106.1	107.6	108.4	108.9	108.0	108.0							165.6
PNDB	107.9	115.5	116.0	116.2	116.5	116.6	115.9	116.8	117.3	118.5	118.9	119.3	118.8	118.8							166.9

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REH, HUM, DAY)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,-)	(0,-)
NO EQA	50	55,3	55,6	61,3	61,2	63,4	64,4	65,7	67,0	68,3	69,6	66,7	71,7	72,1	87,3		
SIDELINE 2400 FT?	83	55,1	58,7	61,7	61,5	63,7	64,8	66,5	67,9	69,2	69,5	70,1	73,5	72,1	87,9		
(731,52 M)	100	55,8	60,0	62,6	62,4	64,9	63,1	67,4	68,7	69,9	68,9	70,3	71,8	70,1	87,7		
NFA 0, RPM	125	58,0	61,4	63,4	64,0	65,6	67,2	68,3	69,1	69,9	71,1	71,9	71,2	67,8	81,9		
(0, RAD/SEC)	150	57,2	60,5	63,1	64,2	65,9	67,3	69,4	69,5	69,6	71,1	72,1	71,1	66,6	59,6		
NFK 0, RPM	200	56,2	61,6	63,5	65,0	66,4	68,0	68,9	69,7	69,6	71,0	71,4	70,1	64,8	58,5		
(0, RAD/SEC)	250	57,7	60,5	63,2	66,3	68,4	69,0	69,0	69,9	70,1	70,2	72,1	69,9	64,5	58,5		
NFD 0, RPM	315	57,2	62,1	65,6	66,8	67,5	68,8	69,5	71,5	71,0	71,7	72,1	70,3	65,1	58,1		
(0, RAD/SEC)	400	57,2	62,1	66,1	67,8	69,3	70,0	70,6	71,8	71,5	72,4	73,2	71,1	66,0	59,4		
AIRFLOW RATIO	500	55,9	62,1	65,6	67,6	69,0	70,4	71,4	72,8	73,2	73,6	73,7	71,3	65,8	58,9		
WE/KM 8,00	630	55,6	62,6	65,7	67,9	69,5	71,0	72,1	74,0	74,2	75,5	74,3	72,4	66,9	59,9		
	800	55,5	62,8	66,2	68,5	70,8	72,2	72,5	74,3	74,7	75,6	75,3	73,2	67,6	61,5		
VEHICLE JENOTS	1000	55,3	63,1	66,8	68,8	71,4	72,8	72,3	74,6	75,1	75,9	75,6	73,0	68,2	61,6		
CONFIG JE=059	1250	55,8	64,6	70,5	72,3	74,1	75,9	73,2	76,1	77,1	76,7	75,2	72,9	67,5	61,2		
LCC EVENDALE	1600	51,8	63,8	66,9	68,3	70,4	70,8	70,6	72,5	73,0	73,4	72,1	69,6	64,6	56,4		
DATE 05-07-75	2000	49,2	63,7	66,6	68,0	69,8	70,1	69,7	70,2	70,2	70,5	69,0	65,7	60,3	51,1		
BLN LBTF=MODEL 1	2500	44,0	60,4	64,3	66,6	68,2	68,5	67,1	67,4	67,1	66,1	63,7	60,6	53,9	42,4		
TAPE X10330	3150	44,0	51,4	57,2	61,4	63,3	64,3	63,3	63,0	61,2	59,6	56,0	52,1	43,9	28,5		
EAN TIP SPEED	4000	19,1	38,8	45,8	50,8	53,5	56,9	57,4	56,4	53,5	52,1	46,3	41,0	30,7	9,4		
FT/SEC	5000	9,8	31,5	39,0	44,6	46,8	49,1	49,8	50,5	48,1	45,2	39,4	33,1	20,9			
	6300		13,6	24,6	31,1	33,8	37,2	37,8	38,2	35,8	33,6	28,4	16,9	1,1			
	8000			3,4	12,4	17,0	20,9	21,4	21,7	18,8	18,2	6,1					
	10000								0,7								
OVERALL CALCULATED		58,3	74,5	78,0	79,7	81,5	82,7	82,7	84,3	84,7	85,3	85,1	83,8	80,2	75,3		
PNDB		72,7	83,3	86,7	88,9	90,6	91,5	91,3	92,4	92,6	92,8	91,9	89,7	84,5	77,3		

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PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	PWL
REV.	ALPHA 12/73	FREQ.	(0.52)	(0.60)	(0.67)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	
NO EGA		50	82.2	80.5	84.1	83.4	85.2	85.2	86.8	88.6	90.6	93.1	92.3	98.3	100.5	97.6				151.5
RDG. NO. 0		63	82.8	83.8	85.8	85.0	85.5	86.9	89.0	89.7	91.7	92.9	94.7	100.1	100.1	96.8				152.3
RADIAL 320, FT.		80	83.8	86.2	86.9	85.4	86.7	86.7	89.3	90.9	92.4	93.2	96.4	99.3	99.1	96.8				152.3
(98, M)		100	84.2	88.4	86.6	87.3	87.8	87.8	89.7	92.1	93.8	96.3	97.2	98.8	97.5	97.0				152.8
VEHICLE JENOTS		125	86.1	88.1	87.3	87.4	87.5	89.2	90.9	92.3	93.6	96.3	98.0	97.9	95.6	93.7				152.5
CONFIG JE-039		160	86.0	86.9	87.6	87.8	88.2	89.4	92.7	92.9	93.7	96.4	99.1	99.2	95.2	92.4				153.2
LOC EVENDALE		200	85.3	88.9	88.2	88.5	89.3	90.5	92.0	93.2	94.6	97.0	98.1	97.7	95.4	91.7				153.0
DATE 05-07-75		250	86.8	87.6	87.5	89.7	90.7	91.4	92.0	93.6	94.7	97.4	98.4	98.0	95.8	92.8				153.4
RUN DBTF*MODEL 1		315	86.5	89.0	89.5	89.2	89.6	91.4	92.7	94.2	95.8	98.8	98.0	98.2	95.7	93.0				153.8
TAPE X10340		400	86.1	88.9	90.0	91.0	91.4	92.4	93.3	95.4	96.3	100.4	98.9	98.9	96.1	93.9				154.9
BAR 29.3 HG		500	86.0	89.2	90.0	90.8	91.9	93.1	94.4	96.0	97.1	101.2	99.6	99.1	97.1	94.8				155.6
(99043, N/M2)		630	86.8	89.5	90.4	91.6	92.3	94.1	95.6	97.8	99.6	103.3	101.5	101.1	99.0	96.9				157.5
TAMB 64, DEG F		800	88.6	91.7	91.6	93.2	94.0	95.3	96.2	98.7	100.6	103.8	102.2	102.8	101.9	100.4				158.7
(291, DEG K)		1000	89.2	93.0	93.8	94.2	95.2	96.6	97.2	99.4	101.2	104.6	104.1	104.7	103.1	103.1				160.1
TWET 53, DEG F		1250	91.9	96.6	96.4	95.9	96.1	96.6	97.4	99.5	101.8	104.3	104.6	105.7	104.4	104.7				160.9
(285, DEG K)		1600	92.9	98.9	99.3	98.0	98.2	97.4	97.4	99.3	100.5	103.1	103.2	104.7	103.9	104.3				160.7
HACT 0, GH/M3		2000	92.2	99.5	99.5	99.6	100.3	98.8	97.6	98.6	99.7	101.1	101.0	103.0	102.8	102.1				160.2
(1 KG/M3)		2500	89.4	96.7	97.7	99.2	99.5	98.4	97.0	97.1	97.9	98.9	98.6	99.8	99.4	99.2				158.7
FREQ. SHIFT		3150	85.7	93.1	93.6	95.2	96.0	97.2	96.4	96.1	95.6	96.7	95.6	97.8	97.1	95.9				156.8
JET 9		4000	81.6	88.9	90.2	91.2	91.2	93.0	93.6	94.3	92.4	93.9	93.0	94.6	94.4	92.1				154.3
DIAMETER RATIO		5000	78.4	86.1	87.6	88.9	88.9	89.0	89.2	89.9	89.5	90.5	88.7	90.9	91.1	89.6				151.2
DE/DM 8.00		6300	74.8	83.0	83.7	85.0	84.9	86.0	85.7	86.9	85.7	87.6	85.8	88.0	88.4	86.7				149.2
OVERALL CALCULATED		8000	70.4	79.6	80.5	82.0	82.0	82.3	83.0	83.9	83.3	85.7	82.8	84.7	86.2	84.0				148.3
PNDB		10000	67.3	76.9	77.4	78.9	79.9	80.3	81.3	81.5	79.7	85.4	80.2	83.2	83.5	81.0				148.9
			100.9	106.1	106.4	106.8	107.3	107.4	107.7	109.2	110.5	113.3	113.0	114.0	112.9	112.0				170.0
			112.4	118.5	118.9	119.9	120.3	120.2	120.0	120.7	121.5	123.5	123.2	124.8	123.9	122.8				171.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
SPL INPUT AT STD																			
REV, ALPHA 12/73		FREQ																	
NO EGA		50	58.3	58.9	64.0	64.5	66.9	67.4	69.2	70.8	72.3	74.1	72.2	76.7	76.6	70.3			
SIDELINE 2400' FT		63	58.9	62.2	65.7	66.0	67.2	69.0	71.3	71.9	73.4	74.0	74.5	76.5	76.1	69.4			
(731.52 M)		80	59.8	64.5	66.8	66.4	68.4	68.9	71.6	73.0	74.1	74.2	76.3	77.6	75.1	69.2			
NEA		100	60.0	66.6	66.4	68.1	69.4	69.8	71.9	74.2	75.4	77.1	77.0	76.9	73.3	69.2			
0, RPM		125	61.7	66.2	66.9	68.2	69.1	71.2	73.0	74.3	75.2	77.1	77.6	75.9	71.3	65.6			
0, RAD/SEC		160	61.4	64.8	67.1	68.5	69.7	71.3	74.7	74.8	75.1	77.1	78.6	77.1	70.6	64.1			
NEK		200	60.5	66.1	67.5	69.0	70.6	72.2	73.9	75.0	75.9	77.5	77.5	75.4	70.6	63.0			
0, RPM		250	61.7	65.0	66.7	70.0	71.9	73.0	73.8	75.2	75.9	77.7	77.6	75.4	70.7	63.5			
0, RAD/SEC		315	61.0	66.2	68.4	69.3	70.5	72.8	74.2	75.6	76.7	79.0	76.9	75.3	70.1	63.1			
NED		400	60.0	65.6	68.6	70.8	72.0	73.5	74.6	76.5	77.0	80.2	77.5	75.6	70.0	63.2			
0, RPM		500	59.2	65.4	68.2	70.3	72.3	73.9	75.4	76.8	77.4	80.7	77.7	75.3	70.3	63.1			
AIRFLOW RATIO		630	59.1	65.1	68.0	70.6	72.2	74.5	76.2	78.1	79.5	82.3	79.1	78.7	71.4	63.9			
WF/KM 8.00		800	59.8	66.3	68.5	71.6	73.3	75.2	76.3	78.6	80.0	82.2	79.1	77.5	73.2	65.8			
VEHICLE JENOTS		1000	59.1	66.6	69.8	71.9	73.9	75.8	76.7	78.7	79.9	82.3	80.2	78.3	73.0	66.5			
CONFIG JE-059		1250	60.1	69.0	71.4	72.7	74.0	75.0	76.1	77.9	79.6	81.1	79.6	78.0	72.6	65.5			
LOC EVENDALE		1600	58.7	69.8	72.8	73.4	74.8	74.7	75.0	76.6	77.1	78.5	76.7	75.2	69.7	61.5			
DATE 05-07-75		2000	59.1	67.8	71.2	73.4	75.4	74.7	73.8	74.6	74.8	74.9	72.6	71.3	65.6	55.0			
RUN DBTF=MODEL 1		2500	48.1	61.8	66.7	70.7	72.6	72.4	71.3	71.0	71.0	70.4	67.6	64.9	58.1	45.8			
TAPE X10340		3150	37.6	53.1	58.4	63.0	65.7	68.0	67.5	66.9	65.4	64.5	60.4	57.8	49.1	32.4			
FAN TIP SPEED		4000	23.5	41.2	48.7	53.5	55.9	59.0	60.0	60.3	57.1	56.2	51.8	46.9	36.3	13.5			
FT/SEC		5000	14.4	33.9	42.4	48.0	50.7	52.2	52.9	53.1	51.2	49.6	43.5	38.7	27.1	2.2			
		6300		17.7	27.7	34.7	38.1	41.1	41.5	42.0	38.9	37.3	29.8	22.8	7.2				
		8000			7.9	17.3	22.1	25.0	26.5	26.5	23.4	21.0	10.2						
		10000					1.6	5.3	7.7	6.8	1.4	0.6							
OVERALL CALCULATED			72.2	78.6	81.2	83.0	84.6	85.7	86.9	88.4	89.4	91.4	89.9	86.9	84.9	78.4			
PNDB			77.8	87.2	90.5	92.8	94.7	95.2	95.5	96.5	97.1	98.5	96.6	93.1	89.6	81.5			

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OF POOR QUALITY

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
SPL INPUT AT STD	REV, ALPHA 12/73	FREQ	50	80.2	78.5	81.8	80.9	82.4	83.0	85.1	86.8	89.1	91.6	91.0	96.8	100.5	99.4		150.9	
	NO EGA	63	80.8	81.3	82.6	81.5	82.7	83.9	85.7	87.5	88.9	90.4	92.7	98.6	99.6	98.1			151.0	
RDG, NO, 0		80	80.6	82.4	83.4	82.2	83.2	83.7	85.8	87.6	88.6	90.4	93.7	96.8	98.4	97.3			150.3	
RADIAL 320, FT		100	81.7	85.2	83.6	84.0	84.8	84.8	86.4	88.6	90.0	92.8	94.7	96.8	96.0	96.0			150.2	
(98, M)		125	82.8	85.4	84.3	83.6	84.3	85.7	86.9	88.6	90.1	92.6	94.5	94.9	93.3	91.7			149.2	
VEHICLE JENOTS		160	82.2	83.2	84.4	84.3	84.7	86.2	88.7	88.9	89.9	92.4	94.6	96.0	92.2	89.2			149.4	
CONFIG JE-059		200	81.5	85.0	84.2	84.7	85.8	87.0	88.0	89.2	89.8	92.3	93.6	93.7	90.6	87.2			148.7	
LOC EVENDALE		250	83.3	83.1	84.3	86.7	87.0	87.6	88.0	89.1	90.0	91.6	93.2	93.3	90.4	87.5			148.6	
DATE 05-07-75		315	82.6	85.1	86.5	86.0	86.6	87.4	88.7	89.9	91.3	92.6	93.5	93.2	90.2	87.8			149.1	
RUN DBTF-MODEL 1		400	83.1	86.4	87.3	88.2	88.1	88.6	89.3	91.2	91.1	94.4	94.7	94.2	91.6	89.2			150.3	
TAPE X10350		500	82.5	86.0	86.8	87.9	88.7	89.6	90.7	91.8	93.4	95.7	95.9	95.1	92.6	89.8			151.4	
BAR 29.3 HG		630	83.6	87.3	87.9	88.9	88.9	90.4	92.1	94.1	95.4	97.6	98.5	97.7	95.3	92.7			153.5	
(99043, N/M2)		800	84.9	88.2	89.4	90.5	90.8	92.1	92.6	94.8	96.2	99.3	99.3	99.1	97.5	96.3			154.9	
TAMB 66, DEG F		1000	85.8	89.4	90.4	91.3	92.4	93.2	93.6	95.5	97.6	99.7	100.0	100.6	99.5	99.2			156.1	
(292, DEG K)		1250	87.6	91.3	92.3	93.3	94.3	94.7	94.1	96.1	98.7	100.5	100.7	101.6	100.8	100.6			157.3	
THET 53, DEG F		1600	87.3	92.0	93.2	93.8	93.8	94.1	94.1	95.7	97.7	99.5	99.2	100.6	100.3	100.7			156.8	
(285, DEG K)		2000	86.9	93.2	93.7	93.0	94.0	93.7	93.3	95.1	96.9	97.8	97.4	99.2	98.5	99.3			156.0	
HACT 0, G4/M3		2500	85.4	93.9	93.6	94.2	93.7	93.2	92.3	93.6	94.9	95.4	95.6	96.8	96.4	96.7			154.8	
(1, KG/M3)		3150	82.9	91.6	92.3	92.9	92.7	93.5	91.6	92.4	92.7	92.1	93.5	94.4	93.6				153.4	
FREQ, SHIFT		4000	78.1	86.6	87.7	88.9	89.2	91.2	90.1	90.5	89.4	90.4	89.3	90.1	90.7	89.3			151.2	
JET 9		5000	75.1	83.0	84.5	85.6	85.6	86.4	86.4	87.5	87.1	86.7	85.4	86.6	87.3	86.8			148.1	
DIAMETER RATIO		6300	71.3	79.3	80.8	81.8	81.0	82.3	82.6	84.0	83.5	84.7	84.4	83.1	84.5	83.6			145.9	
DE/DM 8.00		8000	67.7	75.2	76.6	77.8	76.8	77.8	78.1	81.1	80.9	83.0	79.1	79.8	82.2	80.5			144.6	
		10000	65.8	69.9	72.2	73.0	72.7	73.8	74.6	79.8	77.5	83.5	77.5	78.5	80.8	78.5			145.4	
OVERALL CALCULATED			96.9	101.8	102.3	102.9	103.2	103.8	103.9	105.5	107.0	108.9	109.3	110.4	109.9	109.3			166.3	
PND8			108.3	114.8	115.2	115.8	115.7	116.5	115.8	117.2	118.9	119.7	119.8	120.8	120.1	119.8			167.6	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
REV. ALPHA 12/73		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	30	56.3	56.9	61.8	62.0	64.2	65.2	67.4	69.0	70.8	72.6	71.0	75.2	76.6	72.1			
SIDE LINE 2400' FT.	63	56.9	59.7	62.5	62.5	64.5	66.0	68.0	69.6	70.7	71.5	72.6	77.0	75.6	70.6			
(731.52 M)	80	56.5	60.7	63.3	63.2	64.9	65.9	68.1	69.7	71.4	71.4	73.6	75.1	74.4	69.7			
NFA	100	57.5	63.3	63.4	64.9	66.4	66.8	68.6	70.7	71.7	73.6	74.5	74.9	71.8	68.2			
(0, RPM)	125	58.5	63.4	63.9	64.5	65.8	67.7	69.0	70.6	71.7	73.4	74.1	72.9	69.0	63.6			
(0, RAD/SEC)	160	57.7	61.1	63.9	63.0	66.2	68.1	70.7	70.8	71.4	73.1	74.1	73.9	67.6	60.8			
NFK	200	56.7	62.6	63.5	65.3	67.1	68.8	69.9	71.0	71.1	72.8	73.0	71.4	65.8	58.5			
(0, RAD/SEC)	250	58.2	60.5	63.5	67.0	68.1	69.2	69.8	70.7	71.1	72.0	72.3	70.7	65.2	58.3			
NED	315	57.0	62.2	65.4	66.1	67.6	68.8	70.3	71.3	72.2	72.7	72.4	70.3	64.6	57.9			
(0, RAD/SEC)	400	57.0	63.1	65.9	68.1	68.8	69.8	70.6	72.3	71.8	74.2	73.3	70.9	65.5	58.5			
AIRFLOW RATIO	500	55.7	62.2	65.0	67.4	69.1	70.5	71.7	72.6	73.7	75.2	74.0	71.3	65.9	58.2			
WE/WM 8.00	630	56.0	62.8	65.6	67.9	68.8	70.8	72.7	74.5	75.3	76.6	76.1	73.2	67.7	59.7			
	800	56.2	62.9	66.3	68.9	70.1	72.0	72.6	74.7	75.6	77.7	76.2	73.8	68.7	61.6			
VEHICLE JENOTS	1000	53.7	63.0	66.4	69.0	71.0	72.4	73.0	74.8	76.3	77.4	76.1	74.2	69.4	62.6			
CONFIG JE-059	1250	55.8	63.6	67.3	70.1	72.1	73.2	72.7	74.6	76.5	77.2	75.7	73.9	69.0	61.4			
LOC EVENDALE	1600	53.1	63.1	66.7	69.1	70.5	71.4	71.7	73.0	74.3	74.9	72.6	71.1	66.1	57.9			
DATE 05-07-75	2000	49.8	61.5	65.4	68.9	69.1	69.7	69.5	71.0	72.1	71.6	69.1	67.5	61.4	52.2			
RUN DBTF=MODEL 1	2500	44.1	59.0	62.6	65.7	66.8	67.1	66.5	67.5	68.0	66.9	64.6	61.9	55.1	43.3			
TAPE X10350	3150	34.8	51.6	57.1	60.8	62.4	64.2	62.7	63.1	62.1	60.5	56.9	53.5	46.3	30.1			
FAN TIP SPEED	4000	19.9	38.9	46.1	51.2	53.9	57.2	56.5	56.5	54.1	52.7	47.7	42.4	32.5	10.7			
FT/SEC	5000	11.1	30.8	39.3	44.7	47.4	49.7	50.1	50.8	48.2	45.8	40.2	34.4	23.3				
	6300		14.0	24.8	31.5	34.2	37.4	38.3	39.1	36.7	34.4	26.4	17.8	3.3				
	8000			4.0	13.0	16.9	20.5	21.5	23.8	20.9	18.3	6.5						
OVERALL CALCULATED	10000							1.0	5.1									
PND8		68.8	74.6	77.5	79.5	81.0	82.3	83.2	84.7	85.7	86.9	86.3	85.7	82.8	77.5			
		73.4	82.4	86.0	88.4	90.0	91.1	91.5	92.8	93.7	94.3	92.8	94.2	86.1	78.1			

SPL INPUT AT STD		PROC. DATE - MONTH 28 DAY 0 HR; 0.0																	PWL		
REV: ALPHA 12/73		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY = JENOTS)																			
FREQ.		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
RDG. NO.		0.52	0.70	0.87	1.05	1.22	1.40	1.57	1.75	1.92	2.09	2.27	2.44	2.62	2.79	2.97	3.14	3.32	3.49	3.67	3.85
RADIOAL 320 FT.		80.7	79.2	82.1	81.7	83.7	83.5	85.3	87.1	89.1	90.9	91.3	97.3	100.2	98.6	97.6	97.3	97.3	97.3	97.3	97.3
VEHICLE JENOTS		81.6	82.6	83.6	82.8	83.7	85.1	87.0	88.0	89.9	90.9	93.7	99.4	100.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6
CONF. JE-059		82.1	83.7	84.4	83.4	83.9	84.0	87.1	87.9	90.4	91.2	94.2	97.3	98.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3
LOC EVENDALE		82.5	86.2	84.6	85.3	85.5	85.8	87.4	89.9	90.8	94.0	95.7	97.3	96.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2
DATE 05-07-75		84.1	86.9	86.0	84.9	85.5	86.9	88.2	89.8	90.6	93.1	95.0	95.9	94.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9
RUN DBTF-MODEL 1		83.2	84.7	85.4	85.5	86.0	86.9	89.4	89.9	90.4	93.4	95.8	96.7	92.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
TAPE X10360		82.8	86.5	85.9	86.2	86.8	87.7	89.0	89.7	91.1	93.3	94.8	94.7	92.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
BAR 29.3 HG		84.6	85.1	85.5	87.7	88.5	89.1	89.3	90.3	91.0	92.9	94.4	94.8	91.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3
(99043, N/M2)		84.1	87.4	88.3	88.7	89.1	89.6	90.6	91.7	92.1	95.2	95.5	95.9	93.1	90.9	90.9	90.9	90.9	90.9	90.9	90.9
TAMB 66, DEG F		83.5	87.3	88.1	89.1	90.0	90.6	91.9	93.3	94.4	96.5	96.9	96.4	94.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6
(292, DEG K)		84.6	88.1	88.2	89.7	90.1	91.2	92.6	94.9	95.7	98.3	99.5	99.0	96.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9
TWET 53, DEG F		86.2	90.2	90.2	90.8	92.1	92.9	92.8	95.3	96.5	98.3	99.8	100.4	98.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
(285, DEG K)		87.3	91.6	91.6	92.8	93.6	93.7	94.3	96.1	97.5	100.2	101.0	102.1	100.0	100.2	100.2	100.2	100.2	100.2	100.2	100.2
HACT 0, GM/M3		90.3	96.3	95.5	94.9	94.8	94.3	94.1	96.6	97.5	100.2	101.0	102.1	101.5	102.1	102.1	102.1	102.1	102.1	102.1	102.1
(1, KG/M3)		91.1	99.1	99.2	98.8	98.1	96.3	95.1	96.2	97.2	99.3	99.9	101.6	100.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8
FREQ. SHIFT		90.9	98.7	99.0	99.5	100.0	97.7	95.8	96.1	96.6	98.0	97.9	99.5	99.7	100.3	100.3	100.3	100.3	100.3	100.3	100.3
JET 9		88.1	96.7	97.1	98.2	99.5	98.2	96.5	95.8	95.4	96.2	96.1	97.6	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7
DIAMETER RATIO		84.6	92.3	93.6	94.9	95.9	97.0	96.4	96.1	94.4	93.9	93.1	94.3	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8
DF/DH 8.00		80.3	88.6	89.7	90.6	90.9	93.2	93.3	93.5	91.6	91.6	90.5	91.1	91.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6
OVERALL CALCULATED		77.3	86.3	86.8	88.6	88.4	88.7	88.9	90.0	89.4	88.9	86.4	87.3	88.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
PNDB		73.3	82.5	83.3	85.3	84.5	85.5	86.1	86.8	85.8	85.7	83.7	84.6	85.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
		69.7	79.2	80.1	81.3	81.6	82.1	82.6	83.4	82.4	83.0	80.3	81.8	83.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8
		68.0	77.1	76.9	78.5	80.2	80.3	80.9	81.1	79.2	80.7	78.3	80.8	81.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2
		99.2	105.4	105.6	106.1	106.5	106.0	105.7	106.7	107.3	109.4	110.1	111.4	110.5	110.3	110.3	110.3	110.3	110.3	110.3	110.3
		110.9	117.7	118.1	119.0	119.8	119.3	119.0	119.4	118.9	120.2	120.3	121.6	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
		(0.52)	(0.70)	(0.87)	(1.10)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
SPL INPUT AT STD																			
REV. ALPHA 12/73																			
50		56.8	57.6	62.0	62.7	63.4	65.7	67.7	69.3	70.8	73.1	71.2	75.7	76.4	71.3				
NO EGA																			
63		57.6	60.9	63.5	63.8	65.5	67.3	69.3	70.1	71.7	72.0	73.6	77.7	76.1	70.1				
SIDE LINE 2400' FT.																			
(731.32 M)																			
100		58.3	64.3	64.4	66.1	67.1	67.8	69.6	71.9	72.4	74.9	75.5	75.4	72.3	68.4				
NEA																			
0, RPM																			
125		59.7	64.9	65.7	65.7	67.1	68.9	70.3	71.8	72.2	73.9	74.6	73.9	70.0	63.9				
(0, RAD/SEC)																			
160		58.7	62.6	64.9	66.2	67.4	68.8	71.4	71.8	71.9	74.1	75.4	74.6	68.1	61.3				
NEK																			
0, RPM																			
200		58.0	64.1	65.3	66.8	68.1	69.5	70.9	71.5	72.4	73.8	74.2	72.4	67.3	59.7				
(0, RAD/SEC)																			
250		59.5	62.5	64.7	68.0	69.6	70.7	71.0	71.9	72.1	73.3	73.6	72.2	66.7	60.1				
NFD																			
0, RPM																			
315		58.5	64.2	66.7	67.6	68.8	70.3	71.5	72.3	72.7	73.7	73.7	71.6	66.4	59.1				
(0, RAD/SEC)																			
400		58.0	64.1	66.9	68.6	69.8	70.8	71.9	72.8	72.8	73.0	74.0	72.6	67.0	60.2				
AIRFLOW RATIO																			
500		56.7	63.5	66.2	68.6	70.3	71.5	72.9	74.1	74.7	76.0	75.0	72.6	67.4	59.9				
WF/WM 8.00																			
630		57.0	63.6	65.8	68.1	70.0	71.6	73.2	75.3	75.6	77.3	77.1	74.5	68.5	62.0				
800		57.4	64.9	67.1	69.2	71.4	72.8	72.9	75.2	75.8	77.7	76.7	75.0	69.7	63.4				
VEHICLE																			
JENOTS																			
1000		57.2	65.2	67.7	70.5	72.3	72.9	73.8	75.3	76.3	78.1	77.1	75.7	69.9	63.6				
CONFIG																			
JE-039																			
1250		58.5	68.6	70.5	74.6	72.6	72.9	72.7	75.1	75.3	77.0	76.0	74.9	69.7	62.9				
LOC																			
EVENDALE																			
1600		56.9	69.6	72.7	74.1	74.7	73.6	72.7	73.5	73.8	74.7	73.4	72.1	66.6	60.0				
DATE 05-07-75																			
2000		53.8	67.0	70.6	73.4	75.1	73.7	72.0	72.0	71.8	71.8	69.6	67.8	62.6	53.2				
RUN DBTF-MODEL 1																			
2500		46.8	61.8	66.1	69.7	72.5	72.1	70.8	69.8	68.5	67.7	65.1	62.7	55.6	44.3				
TYPE X10360																			
3150		36.6	52.3	58.1	62.8	65.7	67.7	67.5	66.9	64.1	61.7	57.9	54.2	46.3	31.3				
FAN TIP SPEED																			
4000		22.2	40.9	48.1	52.9	55.6	59.2	59.7	59.5	56.3	53.9	49.0	43.4	33.8	12.0				
FT/SEC																			
5000		13.3	34.1	41.5	47.7	50.2	51.9	52.6	53.3	51.2	48.0	41.2	35.1	24.3	0.7				
6300			17.2	27.3	35.0	37.7	40.7	41.8	41.9	39.0	35.4	27.6	19.3	4.3					
8000				7.5	16.5	21.6	24.7	26.0	26.1	22.4	18.3	7.7							
10000						1.9	5.6	7.3	6.3	0.9									
OVERALL CALCULATED																			
PNDB																			
70.2		77.4	79.9	81.8	83.3	83.7	84.3	85.5	85.9	87.4	87.1	86.6	83.3	77.6					
75.9		86.5	89.6	92.1	93.9	93.9	93.7	94.0	93.8	94.7	93.6	92.2	86.8	79.6					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 90 PERCENT REL, HUM, DAY + JENOTS)
 PROC, DATE 7 MONTH 78 DAY 0 HR, 0.6
 ANGLES FROM INLET IN DEGREES (AND RADIAN\$)

SPL INPUT AT STD	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	PWL
REV, ALPHA 12/73	FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,	
NO EGA	50	83,2	80,7	85,3	84,2	85,7	85,7	87,3	89,3	91,3	94,8	94,3	99,5	102,7	101,1			153,4
RDG, NO, 0,	63	83,1	83,6	85,8	84,5	86,0	86,9	89,0	90,0	91,9	93,4	95,2	99,9	101,1	98,8			152,8
RADIAL 320, FT,	80	83,6	85,4	86,4	85,2	86,4	86,7	89,1	90,6	92,9	93,4	96,7	99,6	99,9	97,8			152,7
(98, M)	100	83,7	87,9	86,6	87,0	87,5	88,0	89,4	92,4	93,3	96,5	97,5	98,8	97,5	97,2			152,8
VEHICLE JENOTS	125	85,8	91,4	88,0	87,4	87,8	88,4	90,9	92,3	93,9	96,8	97,7	97,7	93,6	92,9			152,6
CONFIG JE-059	160	85,0	86,7	87,9	87,5	88,2	89,2	92,7	91,9	93,7	96,6	98,6	98,2	94,4	91,2			152,8
LOC EVENDALE	200	84,8	88,5	87,9	88,0	89,3	90,5	92,0	93,2	94,6	96,5	97,6	96,5	93,6	90,2			152,5
DATE 05-07-75	250	85,8	86,8	87,5	90,2	91,0	91,6	92,3	93,3	95,0	97,1	97,4	97,5	94,1	90,5			153,0
RUN DBTF-MODEL 1	315	85,3	88,1	89,8	89,0	90,4	91,2	93,2	94,2	96,0	98,8	97,0	97,2	93,7	90,7			153,5
TAPE X10370	400	85,8	88,2	89,8	91,0	91,6	92,6	93,8	95,2	96,1	100,1	98,4	98,1	93,6	92,2			154,6
BAR 29,3 HG	500	85,0	88,0	89,3	91,6	92,4	93,9	95,2	96,5	98,1	100,4	99,1	98,8	93,8	93,3			155,5
(99043, N/M2)	630	86,3	88,6	90,4	91,9	93,1	94,4	96,3	98,1	100,1	102,8	100,8	100,4	97,5	95,9			157,3
TAHB 70, DEG F	800	87,9	90,4	92,1	93,5	95,0	96,6	97,5	99,2	101,7	104,0	102,0	102,3	100,7	99,7			159,0
(294, DEG K)	1000	89,0	91,8	93,3	94,5	96,0	97,3	98,2	100,4	102,8	104,6	103,7	104,7	102,6	102,4			160,4
THET 56, DEG F	1250	91,3	92,2	93,7	95,5	96,4	97,8	98,4	101,5	103,8	105,1	104,3	105,7	104,1	104,0			161,4
(286, DEG K)	1600	90,2	92,5	93,1	94,5	96,2	97,2	98,5	100,6	101,8	104,1	103,8	104,7	103,2	103,3			160,6
HACT U, GM/M3	2000	88,3	92,1	92,6	93,9	95,6	96,3	97,7	99,7	100,7	101,6	101,8	102,6	101,6	100,7			159,2
(KG/M3)	2500	85,2	91,3	92,0	92,5	94,1	94,3	95,4	97,4	98,5	99,5	99,4	100,2	99,0	98,3			157,3
FREQ, SHIFT	3150	83,0	89,5	91,0	91,8	92,3	93,1	93,2	95,0	96,0	97,0	95,5	97,4	96,2	95,2			155,3
JET 9	4000	78,5	84,5	86,6	88,0	88,6	90,1	90,7	92,1	92,5	94,0	92,7	94,8	93,6	91,0			152,9
DIAMETER RATIO	5000	75,5	81,5	83,2	84,5	85,6	86,1	87,1	88,7	89,3	90,4	89,1	90,7	90,2	88,9			149,9
DE/DH 8,00	6300	71,6	76,8	79,1	80,6	81,5	82,8	84,1	85,5	86,0	87,7	85,9	87,9	87,5	85,6			147,9
OVERALL CALCULATED	8000	69,3	73,0	74,9	76,9	79,2	80,0	81,2	82,5	82,7	85,9	82,2	85,1	84,8	82,9			147,0
PND8	10000	68,1	69,6	70,0	71,8	78,5	78,6	79,9	80,9	79,8	85,1	79,9	82,6	83,4	80,6			147,9
		99,5	102,4	103,3	104,4	105,6	106,7	107,9	109,8	111,5	113,5	112,9	116,8	112,6	111,6			169,8
		109,9	114,0	115,0	117,9	117,2	117,9	119,1	121,0	122,2	124,0	123,3	124,3	123,0	122,0			171,1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0.0)	(0.0)	(0.0)
REV, ALPHA 12/73 FREQ:		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)
NO EGA	50	59.3	59.1	65.3	65.2	67.4	67.9	69.7	71.5	73.1	75.9	74.2	77.9	78.9	73.8			
SIDELINE 2400, FT	63	59.1	61.9	65.7	65.5	67.7	69.0	71.3	72.1	73.7	74.5	75.1	78.2	77.1	71.4			
(734.52 M)	80	59.5	63.7	66.3	66.2	68.2	68.9	71.4	72.7	74.6	74.4	76.6	77.8	75.9	70.2			
NFA	100	59.5	66.1	66.4	67.9	69.1	70.1	71.6	74.4	74.9	77.4	77.2	76.9	73.3	69.4			
(0, RPM)	125	61.5	69.4	67.7	68.2	69.3	70.4	73.0	74.3	75.4	77.7	77.4	75.7	71.3	64.9			
(0, RAD/SEC)	160	60.4	64.6	67.4	68.2	69.7	71.1	74.7	73.8	75.1	77.3	78.1	76.1	69.9	62.8			
NFK	200	60.0	66.1	67.3	68.5	70.6	72.2	73.9	75.0	75.9	77.0	77.0	74.1	68.8	61.5			
(0, RAD/SEC)	250	60.7	64.3	66.7	70.5	72.1	73.2	74.0	74.9	76.1	77.5	76.6	74.9	69.0	61.3			
NFD	315	59.7	65.2	68.7	69.1	71.3	72.6	74.8	75.6	77.0	79.0	75.9	74.3	68.1	60.9			
(0, RAD/SEC)	400	59.7	64.9	68.4	70.8	72.3	73.8	75.1	76.3	76.7	80.0	77.0	74.8	69.5	61.5			
AIRFLOW RATIO	500	58.2	64.2	67.4	71.1	72.8	74.7	76.2	77.3	78.4	79.9	77.2	75.0	69.1	61.6			
WE/WH 8.00	630	58.7	64.1	68.0	70.9	73.0	74.8	76.9	78.5	80.0	81.8	78.4	75.0	69.9	62.9			
VEHICLE	800	59.1	65.1	69.0	71.8	74.3	76.5	77.6	79.1	81.0	82.4	78.9	77.0	71.9	65.0			
JENOTS	1000	58.9	65.4	69.3	72.1	74.7	76.6	77.7	79.7	81.4	82.3	79.7	78.4	72.5	65.7			
CONFIG JE=059	1250	59.7	64.5	68.7	72.2	74.3	76.3	77.1	79.9	81.7	81.8	79.3	78.0	72.3	64.8			
LOC EVENDALE	1600	56.0	63.0	66.6	69.9	72.8	74.5	76.0	77.9	78.4	79.5	77.2	75.2	69.0	60.5			
DATE 05-07-75	2000	51.2	60.4	64.2	67.7	70.8	72.3	73.9	75.6	75.9	75.4	73.4	70.9	64.5	53.5			
RUN DBTF=MODEL 1	2500	43.9	56.4	61.0	64.1	67.1	68.2	69.6	71.4	71.6	71.0	68.4	65.3	57.7	44.9			
TAPE X10370	3150	35.0	49.4	55.7	59.6	62.0	63.8	64.3	65.8	65.7	64.9	60.3	57.4	48.2	31.7			
FAN TIP SPEED	4000	20.3	36.8	45.0	50.3	53.3	56.1	57.1	58.2	57.2	56.3	51.1	47.0	35.4	12.4			
FT/SEC	5000	11.5	29.3	38.0	43.6	47.3	49.4	50.8	52.0	51.1	49.5	43.9	38.6	26.2	1.6			
	6300		11.5	23.0	30.3	34.7	37.9	39.8	40.6	39.2	37.4	29.9	22.6	6.3				
	8000			2.3	12.2	19.2	22.6	24.7	25.2	22.8	21.1	9.6						
	10000					0.2	3.9	6.3	6.2	1.5	0.2							
OVERALL CALCULATED		71.6	77.1	79.8	82.1	84.2	85.8	87.4	88.9	90.2	91.6	89.7	88.7	85.1	79.1			
PNDB		76.1	83.1	86.7	89.7	92.3	94.0	95.5	97.2	98.0	99.0	96.7	94.9	89.0	80.8			

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PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY -- JENOTS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL
		30, (0.52)	40, (0.70)	50, (0.87)	60, (1.05)	70, (1.22)	80, (1.40)	90, (1.57)	100, (1.75)	110, (1.92)	120, (2.09)	130, (2.27)	140, (2.44)	150, (2.62)	160, (2.79)	0, (0.00)	0, (0.00)	
NO EGA	50	83.2	81.5	84.3	83.4	84.7	85.0	87.1	89.1	91.6	94.8	94.8	101.3	104.5	102.9			154.7
RDG, NO. 01	63	84.6	84.6	85.1	84.0	85.0	86.4	88.5	89.7	91.7	93.4	95.7	102.4	103.8	100.1			154.4
RADIAL 320, FT.	80	84.1	84.9	85.7	84.2	85.2	85.5	88.3	90.1	92.2	93.4	97.4	100.8	102.4	100.0			153.8
(98, H)	100	84.0	87.2	85.6	86.3	86.8	86.8	88.4	91.4	93.0	96.0	98.0	100.0	99.7	99.0			153.4
VEHICLE JENOTS	125	85.1	87.4	86.3	85.9	86.0	87.7	89.4	90.8	92.9	95.3	97.2	97.9	96.8	93.7			152.0
CONFIG JE-059	160	84.0	85.4	86.4	86.3	86.7	87.7	90.7	90.9	92.4	93.4	97.8	98.7	94.9	91.2			152.1
LOC EVENDALE	200	83.5	87.0	86.7	86.7	87.8	89.0	89.8	91.2	92.3	94.5	96.8	97.0	92.9	89.0			151.3
DATE 05-07-75	250	85.3	85.3	86.0	88.7	89.0	89.4	89.8	91.1	92.2	94.9	95.9	96.0	93.1	89.8			151.1
RUN DBTF-MODEL 1	315	84.3	86.8	87.8	87.5	88.1	89.2	90.7	91.9	93.3	95.6	95.8	95.4	92.9	89.5			151.3
TAPE X10380	400	84.3	87.4	88.3	89.5	89.6	90.6	91.3	92.7	93.1	96.9	96.7	96.6	94.6	91.2			152.4
BAR 29.3 HG	500	84.0	87.8	88.5	89.4	89.9	91.4	92.4	94.0	94.6	98.2	97.4	96.9	95.1	91.6			153.3
(99043, N/H2)	630	85.5	87.8	89.2	90.1	90.3	92.1	93.1	95.1	96.6	100.3	99.5	99.2	97.6	94.4			155.1
TAMB 67, DEG F	800	86.4	89.7	90.4	91.2	92.3	93.6	94.0	96.8	97.4	101.6	101.0	100.8	99.7	97.5			156.7
(293, DEG K)	1000	87.5	90.8	91.6	92.0	93.8	94.6	94.8	97.0	98.8	102.4	102.0	102.3	101.7	100.2			157.9
THET 54, DEG F	1250	89.3	93.2	94.0	94.5	94.7	95.4	95.5	98.1	99.7	102.7	102.4	102.8	102.7	102.1			158.9
(283, DEG K)	1600	89.8	95.6	95.9	94.9	95.0	95.3	95.3	97.2	98.3	100.9	101.1	102.0	102.5	101.6			158.3
HACT 01 GM/M3	2000	89.6	96.4	96.9	97.0	97.1	95.7	95.0	96.5	97.3	99.4	98.8	100.4	101.1	100.0			157.8
() KG/M3	2500	88.3	95.3	96.3	96.6	97.6	95.8	94.7	95.0	95.8	97.1	97.0	98.7	98.3	97.1			156.8
FREQ, SHIFT	3150	84.6	91.0	93.5	94.6	95.1	95.9	94.0	93.8	93.5	94.8	93.5	95.2	96.0	94.8			155.2
JET 9	4000	79.7	87.3	88.6	90.3	90.4	92.4	91.7	92.7	90.8	92.3	90.4	92.3	92.8	90.2			152.7
DIAMETER RATIO	5000	77.5	84.7	86.2	87.3	87.3	88.1	88.1	89.0	88.1	88.6	86.8	88.3	89.2	88.0			149.7
DE/DH 8.00	6300	73.9	81.3	83.3	84.4	84.3	85.1	84.8	86.0	85.0	86.4	83.4	85.9	87.3	85.1			148.1
OVERALL CALCULATED	8000	70.0	78.0	79.6	81.1	81.1	81.4	81.9	83.2	82.4	84.5	81.1	83.0	84.7	82.1			147.1
PND8	10000	67.8	75.7	77.0	77.7	79.5	79.3	80.6	81.1	78.5	84.7	79.1	83.6	82.6	80.0			148.0
		99.1	103.6	104.4	104.8	105.3	105.5	105.6	107.8	108.3	114.2	111.4	112.7	112.8	111.0			168.4
		110.7	116.4	117.3	117.9	118.6	118.6	118.0	118.8	119.5	124.9	121.3	122.7	122.6	121.0			1.3
																		169.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ:	30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0,0)	(0,0)	(0,0)
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,0)	(0,0)	(0,0)
NO EQA	30	59,3	59,9	64,3	64,5	66,4	67,2	69,4	71,3	73,3	75,9	74,7	79,7	80,6	75,6			
SIDE LINE 2400, FT:	63	60,6	62,9	65,0	65,0	66,7	68,5	70,8	71,9	73,4	74,5	75,6	80,7	79,9	72,6			
(731,52 M)	80	60,0	63,2	65,6	65,2	66,9	67,6	70,6	72,2	73,9	74,4	77,3	79,1	78,4	72,5			
NFA	100	59,8	65,3	65,4	67,1	68,4	68,8	70,6	73,4	74,7	76,9	77,7	78,2	75,5	71,2			
(0, RPM)	125	60,7	65,4	65,9	66,7	67,6	69,7	71,5	72,8	74,4	76,1	76,9	75,9	72,5	65,6			
(0, RAD/SEC)	160	59,4	63,3	65,9	67,0	68,2	69,6	72,7	72,8	73,9	76,1	77,4	76,6	70,4	62,8			
NFK	200	58,7	64,6	66,0	67,3	69,1	70,7	71,7	73,0	73,6	75,0	76,2	74,6	68,1	60,2			
(0, RPM)	250	60,2	62,8	65,2	69,0	70,1	71,0	71,5	72,7	73,4	75,3	75,1	73,4	68,0	60,6			
(0, RAD/SEC)	315	58,7	63,9	66,7	67,6	69,0	70,6	72,3	73,3	74,2	75,7	74,7	72,6	67,4	59,6			
NFD	400	58,2	64,1	66,9	69,3	70,3	71,8	72,6	73,8	73,8	76,7	75,3	73,3	68,5	60,5			
(0, RPM)	500	57,2	63,7	66,7	68,8	70,3	72,2	73,4	74,8	74,9	77,7	75,5	73,0	68,3	59,9			
(0, RAD/SEC)	630	57,9	63,4	66,8	69,2	70,3	72,6	73,7	75,5	76,5	79,3	77,1	74,7	69,9	61,4			
AIRFLOW RATIO	800	57,6	64,4	67,3	69,6	71,6	73,5	74,1	76,7	76,8	79,9	77,9	75,5	71,0	62,8			
WF/WM 8,00	1000	57,4	64,5	67,6	69,7	72,5	73,9	74,2	76,2	77,5	80,1	78,0	75,9	71,6	63,5			
VEHICLE JENOTS	1250	57,5	65,6	69,0	71,3	72,6	73,8	74,2	76,5	77,5	79,4	77,4	75,1	70,9	62,9			
CONFIG JE-059	1600	55,5	66,1	69,4	70,3	71,6	72,6	72,8	74,5	75,0	76,3	74,6	72,6	68,3	58,8			
LOC EVENDALE	2000	52,5	64,7	68,6	70,8	72,3	71,6	71,2	72,5	72,5	73,3	70,5	68,7	64,0	52,9			
DATE 05-07-75	2500	47,0	60,4	65,3	68,1	70,7	69,8	68,9	68,9	68,9	68,6	66,0	63,8	57,0	43,7			
RUN DBTF-MODEL 1	3150	36,5	51,0	58,3	62,4	64,8	66,6	65,1	64,6	63,3	62,7	58,3	55,2	48,0	31,3			
TAPE X10380	4000	21,6	39,6	47,1	52,6	55,1	58,4	58,2	58,7	55,5	54,6	48,9	44,6	34,7	11,7			
FAN TIP SPEED	5000	13,5	32,5	41,0	46,4	49,1	51,4	51,8	52,2	49,9	47,7	41,6	36,1	25,2	0,6			
FT/SEC	6300		16,0	27,3	34,1	37,5	40,2	40,6	41,1	38,2	36,1	27,4	20,6	6,1				
	8000			7,0	14,3	21,2	24,0	25,3	25,8	22,4	19,8	8,5						
	10000					1,2	4,6	7,0	6,4	0,2								
OVERALL CALCULATED		71,0	76,6	79,3	81,2	82,8	83,9	84,9	86,5	87,3	89,4	88,6	88,6	86,4	80,2			
PND8		75,6	84,7	88,4	90,7	92,6	93,0	93,2	94,5	94,9	96,4	94,9	93,2	88,7	79,8			

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OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL		
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,			
BEV: ALPHA 12.73		FREQ (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)			
NO EGA		50	85.2	83.7	86.8	86.2	87.7	88.0	89.3	91.6	93.8	97.6	97.0	102.8	106.5	103.4				156.5	
REG, NO, 0		80	85.8	86.3	88.1	86.8	88.0	89.1	91.0	92.2	94.4	95.9	98.0	102.9	104.3	102.3				155.7	
RADIAL 320, FT.		100	86.0	90.2	88.9	89.0	89.5	90.0	92.2	94.9	95.5	99.0	100.0	101.3	101.2	99.7				155.8	
(98, M)		125	87.8	93.4	89.3	88.4	89.5	90.7	92.4	94.3	96.1	99.3	100.5	99.9	98.6	99.2				155.4	
VEHICLE JENOTS		150	87.2	88.4	89.4	89.8	90.0	91.2	94.4	93.9	96.2	99.4	101.1	100.5	96.4	93.2				155.0	
CONF: JE=059		200	86.5	89.7	89.4	90.0	91.1	92.2	93.8	94.5	96.6	99.0	99.8	99.2	95.1	92.0				155.1	
LCC EVENDALE		250	88.3	89.1	89.5	91.6	92.5	92.8	93.3	95.1	97.0	99.6	99.7	99.2	93.8	93.0				154.9	
DATE 05-07-75		315	87.8	90.3	91.0	90.4	91.8	93.2	94.2	96.1	98.5	100.6	99.7	99.7	96.1	93.0				155.6	
BLN BTTF-MODEL 1		400	88.0	90.6	91.3	92.0	93.1	94.1	95.0	96.1	98.8	101.4	100.7	100.9	97.3	94.4				156.4	
TAPE X10390		500	87.7	90.4	91.5	92.8	93.6	95.1	96.1	97.9	99.8	102.1	101.0	100.8	98.3	95.0				157.2	
BAR 29.4 HG		630	89.2	91.5	92.1	93.3	93.8	95.8	97.3	100.0	102.1	103.7	102.4	102.6	100.7	98.1				158.9	
(99144, N/42)		800	90.5	92.8	93.8	94.4	95.7	97.0	98.4	100.9	103.1	104.5	103.9	104.2	103.1	100.6				160.3	
TAMB 67, DEG F		1000	91.6	93.9	94.7	95.4	97.1	98.2	99.1	102.3	104.1	105.8	105.3	105.8	104.5	102.8				161.7	
(293, DEG K)		1250	92.8	94.2	94.7	96.0	97.7	98.6	100.0	103.1	105.2	105.9	105.9	106.5	105.2	103.8				162.4	
THET 58, DEG F		1600	91.7	94.8	95.9	95.8	97.0	98.7	100.0	102.4	103.3	104.6	104.8	106.0	104.7	102.8				161.8	
(286, DEG K)		2000	90.5	95.6	96.3	95.9	97.0	97.6	98.4	101.2	101.9	102.6	102.7	103.5	102.0	100.4				160.3	
HACT 0. GM/M3		2500	88.2	95.0	95.9	95.7	96.0	95.9	96.3	98.3	100.0	100.5	100.8	101.4	99.7	98.0				158.6	
(1, KG/M3)		3150	85.4	92.1	93.1	94.5	94.2	94.8	94.8	96.3	97.2	98.0	96.9	98.3	97.4	94.6				156.6	
FREQ, SHIFT		4000	80.7	86.7	88.5	89.7	90.0	92.1	91.4	93.1	93.2	95.2	94.6	95.5	94.3	90.7				154.0	
JET 9		5000	77.2	83.9	85.7	86.2	86.8	87.6	88.1	89.2	90.8	92.1	90.8	92.0	91.2	88.4				151.2	
DIAMETER RATIO		6300	73.9	79.9	81.9	82.9	82.3	83.9	84.9	86.1	87.1	89.0	87.7	89.0	88.1	85.2				149.0	
DF/CM 8.00		8000	70.5	76.2	78.3	78.8	78.8	80.6	82.3	83.6	84.1	87.0	84.3	86.0	86.0	82.8				148.2	
OVERALL CALCULATED		10000	87.8	71.4	72.7	74.0	74.2	79.1	81.4	81.8	81.2	87.0	81.6	83.6	84.3	80.8				149.0	
PNDB		101.7	104.9	105.5	105.1	106.9	108.0	109.1	111.4	113.1	114.7	114.7	114.7	115.5	114.8	112.6				171.3	
		112.1	116.9	117.8	118.1	118.7	119.4	120.2	122.4	123.7	125.0	124.9	125.8	124.5	122.2					1.3	
																				172.6	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,
REV, ALPHA 1275		FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,
																(0,	(0,
NO EGA		20	61.3	62.1	66.8	67.2	69.4	70.2	71.7	73.8	75.6	78.6	77.0	81.2	82.6	76.1	
SIDELINE 2400 FT		80	61.9	64.7	68.0	67.8	69.7	71.3	73.3	74.4	76.2	77.0	77.9	81.2	80.4	74.9	
1731.52 M		100	61.8	65.7	68.1	67.9	70.2	70.4	73.4	74.7	77.4	77.4	79.8	80.6	79.9	74.0	
BFA 0, RPM		125	61.8	68.3	68.7	69.9	71.1	72.1	74.4	76.9	77.2	79.9	79.7	79.4	77.0	71.9	
(0, RAD/SEC)		150	63.5	71.4	68.9	69.2	71.1	72.7	74.5	76.3	77.7	80.1	80.1	77.9	74.3	67.1	
BFB 0, RPM		200	62.7	66.3	68.9	70.3	71.4	73.1	76.4	75.8	77.6	80.1	80.6	78.3	71.9	64.8	
(0, RAD/SEC)		250	61.7	67.4	68.8	70.5	72.4	74.0	75.7	76.2	77.9	79.3	79.2	76.9	70.3	63.2	
BFD 0, RPM		315	63.2	66.5	68.7	72.0	73.6	74.5	75.0	76.7	78.1	80.0	78.8	76.7	70.7	63.8	
(-0, RAD/SEC)		400	62.2	67.1	69.9	70.6	72.8	74.6	75.7	77.5	79.3	80.7	78.6	76.8	70.6	63.1	
AIR FLOW RATIO		500	61.9	66.6	69.6	72.3	74.0	75.9	77.1	78.8	80.1	81.6	79.2	77.0	71.5	63.3	
WF/WM 8.00		630	61.6	67.0	69.7	72.3	73.7	76.2	77.9	80.4	82.0	82.7	80.1	78.1	73.1	65.1	
		800	61.8	67.5	70.7	72.8	75.0	76.9	78.5	80.8	82.4	82.8	80.8	78.9	74.3	66.0	
VEHICLE JENOTS		1000	61.5	67.5	70.7	73.0	75.8	77.3	78.5	81.6	82.9	83.4	81.3	79.5	74.4	66.1	
SCNFIG JE059		1250	61.0	66.6	69.7	72.8	75.6	77.1	78.7	81.5	83.0	82.6	80.9	78.9	73.4	64.6	
LCC EVENDALE		1600	57.5	65.3	69.3	71.2	73.6	76.0	77.5	79.7	79.9	80.0	78.3	76.5	70.5	60.0	
DATE 05-07-75		2000	53.4	63.9	68.0	69.7	72.2	73.5	74.6	77.1	77.1	76.4	74.4	71.8	64.9	53.3	
RUN CBTE-MODEL 1		2500	46.9	60.1	64.9	67.2	69.1	69.9	70.3	72.3	73.0	72.0	69.4	66.5	58.4	44.5	
TAPE X10390		3150	37.4	52.1	57.9	62.3	64.0	65.5	65.8	67.2	66.9	65.8	61.7	58.3	49.4	31.1	
FAN TIP SPEED		4000	22.5	39.0	47.0	52.0	54.7	58.1	57.8	59.1	57.9	57.5	53.0	47.7	36.1	12.1	
FT/SEC		5000	13.2	31.6	40.5	45.3	48.6	50.8	51.8	52.5	52.6	51.2	45.6	39.8	27.2	1.1	
		6300		14.6	25.8	32.6	35.5	39.0	40.6	41.2	40.3	38.7	31.7	23.7	6.9		
		8000			5.7	14.0	18.9	23.2	25.8	26.3	24.1	22.3	11.7	0.6			
		10000						4.3	7.8	7.1	3.0	2.1					
OVERALL CALCULATED			73.9	79.4	81.6	83.5	85.5	87.1	88.7	90.7	92.1	93.0	91.8	90.9	88.2	81.6	
PNBB			78.2	85.8	89.3	91.4	93.7	95.4	96.9	98.8	99.7	100.3	98.4	96.6	91.0	81.9	

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
SPL INPUT AT STU -		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
REV. ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
NO EGA		50	85.2	83.5	86.8	86.2	87.9	88.0	90.3	91.6	93.8	97.3	97.0	103.0	106.2	103.9				156.5
REQ. NO. 0		63	85.6	86.3	88.1	87.0	88.0	88.6	91.0	92.5	93.9	95.4	97.5	102.9	104.1	102.6				155.6
RADIAL 320, FT.		80	85.8	87.4	88.2	86.9	87.9	88.5	91.1	92.6	94.7	96.7	99.7	102.1	103.6	101.3				155.6
(98, M)		100	85.7	89.7	88.4	89.3	89.8	90.0	91.9	94.4	95.3	98.5	100.0	100.8	100.2	99.0				155.0
VEHICLE JENOTS		125	87.3	92.4	89.0	88.7	89.3	90.2	92.4	93.8	95.9	98.8	99.7	99.4	97.8	94.9				154.4
CONFIG JE=059		150	86.7	88.4	89.1	89.3	90.2	91.4	94.2	94.2	95.9	98.9	100.6	100.0	95.9	92.2				154.7
LCC EVENDALE		200	85.8	89.5	89.2	90.0	91.1	92.2	93.5	95.0	96.3	98.7	99.3	98.5	94.9	91.7				154.3
DATE 05-07-75		250	87.3	88.3	89.0	91.9	92.5	92.8	93.5	95.3	96.7	99.4	98.7	99.0	95.1	91.5				154.6
RUN LBTF=MODEL 1		313	86.8	89.0	90.5	90.9	91.8	92.7	93.9	95.6	97.8	100.1	98.7	98.7	94.9	91.5				154.9
TAPE X10400		400	87.3	89.9	90.8	92.5	92.8	94.1	95.5	96.6	98.5	100.6	99.7	99.4	96.3	93.6				155.9
BAR 29.4 HG		500	86.7	89.4	90.5	92.3	94.1	95.1	96.6	97.9	99.8	101.4	100.3	100.3	97.3	94.5				156.8
(99144, N/42)		650	88.2	90.0	91.6	93.6	94.8	96.3	98.0	100.0	102.3	103.5	101.9	101.9	99.2	97.6				158.7
TAMB 67, DEG F		800	89.3	91.8	92.8	94.6	96.2	97.5	98.4	100.9	103.5	104.5	103.4	103.7	102.1	100.6				160.1
(293, DEG K)		1000	90.8	92.9	93.9	95.6	97.1	98.7	99.4	102.3	104.4	105.8	104.8	105.3	104.3	103.3				161.6
TWET 56, DEG F		1250	92.0	93.5	94.5	96.3	98.0	99.1	100.8	103.6	105.7	106.7	105.4	106.3	105.0	104.1				162.7
(286, DEG K)		1600	90.7	93.3	94.1	96.1	97.7	98.7	100.8	102.9	104.0	105.1	104.5	105.5	103.9	102.8				161.9
WACT 0, GM/M3		2000	88.8	92.8	92.8	94.4	96.8	97.8	99.4	100.9	102.2	102.8	102.7	103.8	102.0	100.6				160.3
f, KG/M3)		2500	86.4	91.7	92.2	93.7	94.2	95.4	97.1	98.8	100.2	101.0	100.4	101.1	99.7	98.2				158.4
FREQ. SHIFT		3120	83.4	90.1	91.1	92.0	92.7	93.5	94.6	96.2	97.4	98.2	96.9	98.1	96.7	95.1				156.2
JET 9		4000	78.7	84.7	86.5	88.2	88.8	90.3	91.6	93.3	94.0	94.9	93.8	95.0	93.5	91.2				153.6
DIAMETER RATIO		5000	75.7	81.4	83.2	84.5	85.1	86.1	87.3	89.5	90.8	91.6	90.1	91.0	90.2	87.9				150.4
DE/CM 8.00		6300	71.2	76.6	78.9	80.4	80.8	82.6	84.1	86.3	86.6	88.7	86.7	88.5	87.8	84.9				148.4
OVERALL CALCULATED		8000	68.7	72.4	74.6	76.3	77.3	79.6	81.6	83.4	84.1	87.0	84.1	85.3	85.2	82.5				147.6
PNBB		10000	67.1	68.4	70.0	72.0	73.2	79.1	81.4	82.1	80.7	86.5	80.8	82.3	83.1	80.5				148.5
			100.7	103.5	104.1	105.6	106.9	108.0	109.5	111.6	113.4	114.8	114.2	115.1	114.3	112.7				171.2
			110.8	114.7	115.5	116.9	118.0	119.1	120.7	122.4	123.9	125.2	124.5	125.4	123.9	122.2				172.5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGRS (AND RADIANS)																		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)
SPL INPUT AT STD		20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
BEV, ALPHA 12(75)		61.3	61.9	66.8	67.2	69.7	70.2	72.7	73.8	75.6	78.4	77.0	81.4	82.4	76.6	75.1	75.1	75.1	75.1	75.1
NO EGA		63	61.6	64.7	68.0	68.0	69.7	70.8	73.3	74.6	75.7	76.5	77.4	81.2	80.1	75.1	75.1	75.1	75.1	75.1
SIDELINE 2400 FT		80	61.8	65.7	68.1	67.9	69.7	70.6	73.4	74.7	76.4	77.7	79.6	80.3	79.6	73.7	73.7	73.7	73.7	73.7
{731.52 M}		100	61.5	67.8	68.2	70.1	71.4	72.1	74.1	76.4	76.9	79.4	79.7	78.9	76.0	74.2	74.2	74.2	74.2	74.2
BFA 0, RPM		125	63.0	70.4	68.7	69.5	70.8	72.2	74.5	75.8	77.4	79.7	79.4	77.4	73.5	66.9	66.9	66.9	66.9	66.9
(0, RAD/SEC)		160	62.2	66.3	68.6	70.0	71.7	73.3	76.2	76.1	77.4	79.6	80.1	77.9	71.4	63.8	63.8	63.8	63.8	63.8
BFA 0, RPM		200	61.0	67.1	68.5	70.5	72.4	74.0	75.4	76.7	77.6	79.3	78.7	76.1	70.1	63.0	63.0	63.0	63.0	63.0
(0, RAD/SEC)		250	62.2	65.7	68.2	72.3	73.6	74.5	75.3	76.9	77.9	79.7	77.8	76.4	70.0	62.3	62.3	62.3	62.3	62.3
BFD 0, RPM		315	61.2	66.1	69.4	71.1	72.8	74.1	75.5	77.0	78.7	80.2	77.6	75.8	69.3	61.6	61.6	61.6	61.6	61.6
(0, RAD/SEC)		400	61.2	66.6	69.3	72.3	73.5	75.2	76.8	77.8	79.2	80.4	78.2	76.1	70.2	62.9	62.9	62.9	62.9	62.9
AIRFLOW RATIO		500	59.9	65.6	68.6	71.8	74.5	75.9	77.6	78.8	80.1	80.9	78.4	76.5	70.5	62.8	62.8	62.8	62.8	62.8
WF/W 8.00		630	60.6	65.5	69.2	72.6	74.7	76.7	78.6	80.4	82.2	82.5	79.6	77.4	71.6	64.6	64.6	64.6	64.6	64.6
		800	60.5	66.5	69.7	73.0	75.5	77.4	78.5	80.8	82.9	82.8	80.3	78.4	73.3	66.0	66.0	66.0	66.0	66.0
VEHICLE JENOTS		1000	60.7	66.5	70.0	73.3	75.8	78.0	78.8	81.6	83.0	83.4	80.8	79.0	74.1	66.6	66.6	66.6	66.6	66.6
CONFIG JE=059		1250	60.2	65.8	69.5	73.0	75.8	77.6	79.4	82.0	83.5	83.4	80.4	78.6	73.2	64.9	64.9	64.9	64.9	64.9
LCC EVENDALE		1600	56.5	63.8	67.6	71.5	74.3	76.0	78.3	80.2	80.7	80.5	78.0	76.0	69.7	60.0	60.0	60.0	60.0	60.0
DATE 05-07-75		2000	51.6	61.1	64.5	68.2	72.0	73.7	75.6	76.9	77.4	76.7	74.4	72.1	64.9	53.5	53.5	53.5	53.5	53.5
BUN DBTF=MODEL 1		2500	55.1	56.8	61.2	65.2	67.3	69.4	71.3	72.8	73.3	72.5	69.4	66.2	58.4	44.8	44.8	44.8	44.8	44.8
TAPE X10400		3150	35.4	50.1	55.9	59.8	62.5	64.3	65.8	66.9	67.1	66.0	61.7	58.0	48.6	31.6	31.6	31.6	31.6	31.6
FAN TIP SPEED		4000	40.5	37.0	45.0	50.5	53.5	56.3	58.1	59.3	58.7	57.3	52.3	47.2	35.4	12.6	12.6	12.6	12.6	12.6
FT/SEC		5000	41.7	29.3	38.0	43.6	46.8	49.3	51.0	52.7	52.6	50.7	44.8	38.8	26.2	0.6	0.6	0.6	0.6	0.6
		6300	11.3	22.8	30.1	34.0	37.7	39.9	41.4	39.8	38.4	30.7	23.2	6.6						
		8000		21.0	11.5	17.4	22.2	25.0	26.0	24.1	22.3	11.5								
OVERALL CALCULATED		10000	73.2	78.5	80.9	83.5	85.7	87.3	89.0	90.8	92.2	92.9	91.3	90.5	87.7	81.7	81.7	81.7	81.7	81.7
PNBB			77.2	84.2	87.7	91.1	93.7	95.4	97.3	99.1	100.0	100.2	98.0	96.1	90.3	81.8	81.8	81.8	81.8	81.8

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
BEV, ALPHA 12273	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
NO EGA		50	87.4	85.7	88.8	88.4	90.2	90.5	92.3	94.6	96.1	99.6	100.3	105.8	110.5	106.9			159.8	
BDG, NO, 0		80	88.8	87.3	91.1	89.5	90.7	91.6	93.7	95.5	97.2	98.7	101.0	106.9	108.6	106.8			159.5	
BADIAL 320, FT,		100	88.5	92.2	90.9	91.5	92.3	92.8	94.9	97.1	98.5	102.0	103.2	105.0	104.5	103.5			158.6	
(98, 4)		125	90.1	94.4	91.5	91.1	92.3	93.2	95.4	96.8	99.1	102.6	103.5	102.4	101.4	98.4			157.8	
VEHICLE JENOTS		150	89.5	90.7	91.6	91.5	92.7	93.7	96.7	96.9	99.2	102.4	103.6	103.0	99.2	96.4			157.7	
ECNFIG JE=059		200	88.5	91.7	91.4	92.2	93.3	95.0	96.3	97.5	99.3	102.0	102.6	101.7	98.1	94.7			157.3	
LCC EVENDALE		250	90.6	90.8	91.3	93.9	95.0	95.6	96.3	97.8	100.5	102.4	102.9	101.7	98.6	94.8			157.8	
DATE 05-07-75		315	89.3	92.0	92.7	92.9	93.8	95.2	96.9	98.4	101.0	102.6	102.2	101.4	97.9	94.5			157.8	
RUN CBTF=MODEL 1		400	90.3	92.9	93.0	94.5	95.6	96.8	97.5	99.1	101.5	103.4	102.9	102.9	99.3	97.1			158.7	
TAPE X10410		500	89.7	92.2	93.0	94.8	96.1	97.6	98.6	99.9	102.5	104.1	103.5	103.3	100.5	97.8			159.5	
BAR 29.4 HG		630	90.7	92.7	93.1	95.1	96.3	98.1	100.3	102.0	104.6	105.5	104.9	104.9	103.0	100.8			161.1	
(99144, N/42)		800	92.0	93.8	94.5	96.4	97.9	99.5	100.4	103.2	105.3	106.5	105.9	106.7	105.1	103.1			162.4	
TAMB 67, DEG F		1000	92.3	95.1	95.2	97.1	98.9	100.5	101.4	104.1	106.1	107.0	106.5	107.6	105.8	103.8			163.3	
(293, DEG K)		1220	94.0	96.7	96.2	98.0	99.2	100.9	102.3	104.8	107.2	107.2	106.9	107.5	106.2	104.6			163.9	
THET 56, DEG F		1600	93.2	98.8	98.1	98.3	99.2	100.7	102.0	104.6	105.8	106.9	106.3	107.0	104.7	103.1			163.5	
(286, DEG K)		2000	92.8	99.6	99.1	98.6	99.5	100.3	100.9	103.2	103.4	104.6	104.0	105.0	102.8	101.1			162.1	
WACT 0, GM/M3		2500	90.4	98.0	97.2	98.2	99.0	98.9	99.3	100.6	102.2	102.0	101.4	102.1	100.2	98.0			160.4	
1, KG/M3		3150	86.9	93.1	93.9	95.5	96.5	97.3	96.9	97.9	99.2	99.7	98.7	99.6	97.9	95.1			158.3	
FREQ. SHIFT		4000	81.9	89.2	89.0	91.0	91.8	93.8	94.1	95.1	95.7	96.9	95.8	96.7	94.5	91.4			155.7	
JET 9		5000	78.7	85.9	86.2	88.0	88.3	89.1	89.6	91.7	92.8	93.1	92.1	93.0	91.9	88.9			152.6	
DIAMETER RATIO		6300	74.2	81.6	81.9	84.7	85.1	85.9	86.4	88.3	89.1	90.7	89.7	91.0	89.8	86.7			150.9	
DF/DM 8.00		8000	71.5	76.9	77.1	81.3	82.3	82.3	83.6	85.6	86.9	88.2	88.1	89.0	90.0	87.0			150.7	
OVERALL CALCULATED		10000	70.8	72.2	73.0	78.2	80.7	80.1	81.6	83.3	83.0	87.5	88.3	89.3	90.6	88.3			152.5	
PNWB			103.5	107.3	107.1	108.1	109.2	110.4	111.5	113.6	115.5	116.7	116.7	117.7	117.3	115.0			173.5	
			154.1	119.5	119.2	120.3	121.3	122.9	122.7	124.5	126.0	127.1	126.7	127.4	125.7	123.5			174.8	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89, DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIAN)																
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
BEV, ALPHA 12(73)		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.1)	(0.1)	(0.1)
NO EGA		50	63.6	64.1	68.8	69.5	71.9	72.7	74.7	76.8	77.8	80.6	80.2	84.2	86.6	79.6		
SIDELINE 2400 FT		63	64.9	67.7	71.0	70.5	72.5	73.8	76.0	77.6	78.9	79.7	80.9	85.2	84.6	79.4		
(731.52 M)		80	65.0	68.2	70.6	70.4	72.4	72.9	76.1	77.7	79.6	80.7	83.1	84.1	84.1	78.2		
NFA 0, RPM		100	64.3	70.3	70.7	72.4	73.9	74.8	77.1	79.2	80.2	82.9	83.0	83.2	80.3	75.7		
(0, RAD/SEC)		125	65.7	72.4	71.2	72.0	73.8	75.2	77.5	78.8	80.7	83.4	83.1	80.4	77.0	70.4		
NFK 0, RPM		150	64.9	68.6	71.1	72.2	74.2	75.6	78.7	78.8	80.6	83.3	83.1	80.9	74.6	68.1		
(0, RAD/SEC)		200	63.7	69.4	70.8	72.8	74.6	76.7	78.2	79.2	80.6	82.5	82.0	79.4	73.3	66.0		
NFD 0, RPM		250	65.4	68.2	70.4	74.3	76.1	77.2	78.0	79.4	81.6	82.7	82.1	79.2	73.5	65.5		
(0, RAD/SEC)		313	63.7	69.1	71.6	73.1	74.8	76.6	78.5	79.8	82.0	82.7	81.1	78.5	72.3	64.6		
W/FLOW RATIO		400	64.2	69.6	71.6	74.3	76.3	78.0	78.8	80.3	82.2	83.2	81.5	79.6	73.2	66.4		
W/FWH 8.00		500	62.9	68.4	71.1	74.1	76.5	78.4	79.6	80.8	82.9	83.6	81.7	79.5	73.8	66.1		
VEHICLE JENOTS		630	63.1	68.3	70.7	74.1	76.2	78.5	80.9	82.4	84.5	84.5	82.6	80.4	75.4	67.9		
BCHFIG JE=059		800	63.3	68.5	71.4	74.8	77.3	79.4	80.5	83.0	84.7	84.8	82.8	81.4	76.3	68.5		
LOC EVENDALE		1000	62.2	68.8	71.2	74.8	77.6	79.7	80.8	83.3	84.8	84.7	82.6	81.2	75.6	67.1		
DATE 05-07-75		1250	62.2	69.1	71.2	74.8	77.1	79.3	80.9	83.3	85.0	83.9	81.9	79.9	74.4	65.4		
RUN CBTf=MODEL 1		1600	59.0	69.3	71.6	73.7	75.8	78.0	79.5	81.9	82.4	82.3	79.8	77.5	70.5	60.3		
TAPE X10410		2000	55.6	67.9	70.7	72.4	74.7	76.2	77.1	79.1	78.6	78.4	75.6	73.3	65.7	54.0		
FAN TIP SPEED		2500	49.1	63.1	66.2	69.7	72.1	72.9	73.5	74.6	75.3	73.9	70.4	67.2	58.9	43.5		
FT/SEC		3150	38.9	53.1	58.7	63.3	66.2	68.0	68.0	68.7	68.9	67.5	63.5	59.5	49.9	31.6		
		4000	23.8	41.5	47.5	53.3	56.5	59.8	60.6	61.1	60.4	59.3	54.3	49.0	36.4	12.8		
		5000	14.7	33.8	41.0	47.1	50.1	52.3	53.3	55.0	54.6	52.2	46.8	40.8	27.9	1.6		
		6300		16.3	25.8	34.4	38.3	41.0	42.1	43.4	42.3	40.4	33.7	25.7	8.6			
		8000			4.5	16.5	22.4	25.0	27.0	28.3	26.9	23.5	15.5	3.6				
OVERALL CALCULATED		10000					2.4	5.3	8.0	8.6	4.7	2.6						
PNBR			76.0	81.3	83.4	85.7	87.8	89.6	91.2	92.9	94.5	95.2	94.2	93.6	91.6	85.3		
			80.0	88.7	91.4	93.8	96.1	97.9	99.2	101.1	102.1	102.8	100.3	98.4	92.7	84.3		

		ANGLES FROM INLET (IN DEGREES (AND RADIANS))																	PWL		
SPL INPUT AT STU ---		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,			
BEV, ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,			
NO EGA		20	74.9	73.5	76.8	76.9	77.7	78.0	78.8	80.8	81.8	83.8	82.8	89.3	92.0	92.1				143.3	
REG, NO, 0,		53	74.8	76.6	77.6	76.3	77.2	78.4	79.7	81.2	82.2	83.2	85.5	91.1	92.1	93.3				144.2	
BADIAL 320, FT,		80	76.6	77.9	78.9	77.4	79.4	79.2	80.8	82.1	83.4	83.4	85.7	89.8	91.4	94.8				144.5	
{ 98, M }		100	78.0	81.2	78.9	79.3	80.0	79.5	80.4	82.6	84.0	86.5	88.0	90.5	90.5	93.7				144.8	
VEHICLE JENOTS		125	79.3	81.9	79.5	79.4	79.8	80.9	82.4	83.1	84.1	86.6	87.2	89.2	90.3	90.2				144.1	
CONFIG JE-059		150	78.7	78.9	79.1	79.0	79.7	80.7	83.7	83.2	83.7	86.4	88.3	89.5	88.9	87.7				143.9	
LCC EVENDALE		200	77.8	79.7	78.9	79.7	80.1	80.7	81.3	82.5	83.3	85.0	87.8	88.9	86.4	84.7				142.9	
DATE 05-07-75		250	79.6	79.1	78.3	79.9	80.7	81.3	80.8	82.3	82.7	84.4	86.2	88.0	85.1	82.8				142.2	
RLN CBTF-MODEL 1		315	78.3	78.8	79.0	78.4	79.3	79.7	80.7	81.9	82.8	84.1	84.7	86.2	83.1	80.5				141.2	
TAPE X10420		400	76.3	77.9	78.3	78.7	78.8	79.1	79.3	80.9	81.5	83.4	84.4	85.9	81.6	79.1				140.5	
BAR 29.4 HG		500	74.7	76.9	77.0	77.8	78.4	79.1	78.9	80.5	81.1	82.7	83.6	83.3	79.6	77.8				139.6	
{ 99212, N/42 }		630	74.5	77.0	76.9	77.1	77.3	79.1	78.8	80.8	81.8	83.0	83.0	83.4	78.7	77.3				139.6	
TAMB 59, DEG F		800	74.3	78.6	78.1	78.2	78.7	78.8	78.7	80.4	80.8	82.0	82.9	82.7	77.9	76.4				139.4	
(288, DEG K)		1000	74.1	78.2	77.2	77.9	78.9	79.7	78.4	80.3	80.9	82.1	82.8	81.9	78.3	76.5				139.5	
TWET 51, DEG F		1250	73.1	77.5	77.8	77.3	77.8	78.4	77.8	79.4	80.5	81.3	82.7	81.8	77.5	75.6				139.0	
(284, DEG K)		1600	70.3	75.8	75.7	75.6	76.8	77.0	76.6	77.9	78.4	79.5	80.9	80.1	75.8	73.7				137.5	
WACT G, GM/M3		2000	67.8	73.4	72.9	73.4	75.4	75.4	75.5	76.2	77.3	77.9	77.8	77.1	73.1	70.7				135.7	
{ KG/M3 }		2500	64.7	70.0	70.2	70.8	71.5	72.0	72.4	73.1	75.0	75.8	74.9	74.2	70.2	68.0				133.2	
FREQ, SHIFT		3120	61.5	67.2	67.2	67.5	68.0	69.3	68.9	70.7	71.9	72.8	71.0	70.4	66.7	64.7				130.5	
JET 9		4000	56.9	62.7	63.3	64.0	63.8	65.6	63.9	67.1	67.5	69.7	67.9	67.5	64.5	61.9				127.7	
DIAMETER RATIO		5000	55.7	59.9	60.4	60.7	61.3	60.8	61.3	62.9	64.3	67.6	64.0	65.0	62.9	61.4				125.0	
DF/DM 8.00		6300	55.9	57.3	57.1	57.9	59.0	57.3	58.1	59.3	62.0	67.9	62.7	65.9	64.5	63.3				125.3	
OVERALL CALCULATED		8000	57.3	56.5	55.9	56.4	59.2	56.7	57.9	58.7	63.0	70.1	64.2	67.9	66.6	65.1				128.6	
PNBB		10000	58.9	57.8	56.3	56.8	61.1	57.9	59.0	59.7	64.6	72.6	66.2	69.9	68.9	67.4				133.3	
			88.7	80.7	90.3	90.4	91.2	94.7	92.4	93.6	94.5	96.2	97.5	99.7	99.6	100.7				154.4	
			74.7	77.9	97.7	97.9	99.0	99.3	99.6	100.8	101.8	103.6	103.8	104.4	102.3	102.3				1.3	
																				155.7	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159, DEG. F, 70 PERCENT REL. HUM, DAY

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0+)	(0+)	(0+)
SPL INPUT AT STD	BEV, ALPHA 1275	50	51.1	51.9	56.8	58.0	59.4	60.2	61.2	63.0	63.6	64.9	67.7	68.1	64.8			
	NO EGA	83	50.9	54.9	57.5	57.3	59.0	60.5	62.0	63.4	63.9	64.2	65.4	69.5	68.1	65.9		
SIDELINE 2400 FT	{ 731.52 M }	180	52.5	56.2	58.8	58.4	61.2	61.4	63.1	64.2	65.1	64.4	65.6	68.1	67.4	67.2		
		190	53.8	59.3	58.7	60.1	61.6	61.6	62.6	64.7	65.7	67.4	67.7	68.7	66.3	65.9		
NFA	0, RPM	125	55.0	59.9	59.2	60.2	61.3	62.9	64.5	65.1	65.7	67.4	66.9	67.2	66.0	62.1		
	0, RAD/SEC	180	54.2	56.8	58.6	59.7	61.2	62.5	65.7	65.0	65.1	67.1	67.9	67.3	64.4	59.3		
NFK	0, RPM	200	53.0	57.4	58.3	60.3	61.4	62.5	63.2	64.2	64.6	65.5	67.2	66.6	61.5	56.0		
	0, RAD/SEC	250	54.4	56.5	57.4	60.3	61.9	63.0	62.5	63.9	63.9	64.7	65.3	65.4	60.0	53.5		
NFD	0, RPM	315	52.7	55.9	57.9	58.6	60.3	61.1	62.2	63.3	63.7	64.2	67.6	63.3	57.6	50.6		
	0, RAD/SEC	400	50.2	54.6	56.0	58.5	59.5	60.2	60.6	62.0	62.2	63.2	63.0	62.6	58.5	48.4		
AIR FLOW RATIO	8.00	500	47.9	53.1	55.1	57.3	58.7	59.9	59.9	61.3	61.4	62.1	61.7	59.5	52.8	46.1		
		630	46.9	52.5	54.5	56.1	57.2	59.5	59.4	61.2	61.7	62.0	60.6	58.9	51.1	44.4		
		800	45.5	53.3	54.9	56.5	58.0	58.6	58.8	60.3	60.2	60.4	59.8	57.4	49.1	41.7		
VEHICLE	JENOTS	1000	44.0	51.8	53.2	55.5	57.6	59.0	57.8	59.6	59.6	59.7	58.9	55.5	48.2	39.9		
CCNF1G	JEG059	1220	51.3	49.9	52.8	54.1	55.6	56.9	56.5	57.8	58.3	58.2	57.7	54.2	45.7	36.4		
LCC	EVENDALB	1600	36.0	46.3	49.1	51.0	53.4	54.3	54.1	55.2	55.0	54.8	54.3	50.6	41.5	30.8		
DATE	05-07-75	2000	30.7	41.7	44.5	47.2	50.5	51.3	51.7	52.2	52.4	51.7	49.5	45.4	36.0	23.6		
RUN	CBTE-MODEL 1	2500	23.4	35.1	39.2	42.3	44.6	46.0	46.6	47.1	48.1	47.3	43.9	39.3	28.9	14.6		
YARE	X10420	3120	13.4	27.1	31.9	35.4	37.8	40.1	40.0	41.5	41.7	40.6	35.7	30.3	18.7	1.2		
CAN TIP SPEED		4000		15.0	21.7	26.3	28.5	31.6	32.3	33.1	32.2	32.0	26.3	19.7				
	FT/SEC	5000		7.7	15.2	19.8	23.1	24.1	25.0	26.2	26.1	26.7	18.8	12.8				
		6300			1.0	7.5	12.2	12.4	14.8	14.4	15.2	17.6	6.7	0.6				
		8000							1.4	1.4	3.0	5.4						
		10000																
OVERALL CALCULATED			53.4	67.6	68.9	70.3	71.8	72.8	73.8	74.9	75.3	76.3	76.4	77.3	75.2	72.9		
	PNDB		54.2	69.7	71.9	73.7	75.4	76.5	76.9	78.2	78.5	79.1	78.7	77.8	72.4	67.7		

PROC. DATE - MONTH 57 DAY 0 HR. 016
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

SPL INPUT AT STN	REV. ALPHA 12479	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
			30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	
NO EGA		20	75.2	73.2	77.1	76.2	77.7	77.7	78.6	80.8	82.3	84.1	83.3	89.5	92.5	93.1			143.8
REG. NO. 01		53	76.6	77.6	79.3	77.5	78.5	79.1	80.5	82.0	83.2	84.2	85.7	91.4	92.8	93.3			144.7
RADIAL 320, FY,		80	76.3	77.2	78.4	77.2	78.7	78.7	81.3	82.4	83.7	84.2	86.2	90.1	92.4	94.3			144.7
(98, M)		100	78.0	81.7	78.9	79.5	80.0	79.5	80.4	83.1	84.3	86.5	88.7	90.3	91.0	93.2			144.9
VEHICLE JENOTS		125	78.6	81.4	79.0	78.9	79.5	81.2	82.2	83.1	84.4	86.8	87.2	89.2	89.6	89.2			143.9
PCNFIG JE=029		180	78.0	78.4	78.9	78.5	79.7	80.7	82.7	83.4	83.9	86.1	88.3	90.2	88.7	86.2			143.8
LCC EVENDALE		200	77.8	79.7	79.4	79.5	80.6	81.0	81.8	82.5	83.3	85.5	87.3	88.2	86.1	83.7			142.8
DATE 05-07-75		250	79.3	78.3	78.3	79.9	80.5	80.3	80.8	82.1	83.0	84.1	86.2	87.5	84.1	81.5			141.9
BUN EBT=MODEL 1		315	77.5	78.8	78.5	78.2	78.6	79.4	80.7	82.1	82.9	84.1	84.7	86.4	82.6	79.7			141.1
TAPE X10430		400	76.0	77.4	78.0	78.2	79.1	79.6	80.0	81.1	82.0	83.9	84.9	85.6	82.6	79.6			140.8
BAR 29.4 HG		500	74.7	76.7	77.2	78.1	78.4	79.1	79.4	81.7	82.1	83.7	84.8	83.8	80.3	78.5			140.3
(99246, N/M2)		630	74.5	76.5	77.4	77.3	77.8	79.6	80.3	81.8	82.8	83.7	84.5	84.1	81.0	79.3			140.6
TAMB 61 DEG F		800	74.8	78.6	77.8	78.7	78.7	79.5	79.7	82.2	82.1	83.2	84.2	83.2	80.4	79.4			140.5
(289, DEG K)		1000	74.9	77.9	78.0	78.9	79.9	80.8	79.9	81.4	82.2	83.3	84.6	82.9	79.8	79.3			140.7
TWET 52 DEG F		1250	73.6	78.0	78.5	78.4	79.1	80.0	80.1	81.4	82.2	83.2	84.2	81.8	78.8	78.4			140.5
(284, DEG K)		1600	72.3	76.3	77.4	76.2	78.0	78.5	78.6	80.4	80.6	82.0	83.4	80.3	77.5	76.9			139.4
WACT 01 GM/M3		2000	69.1	73.9	74.2	75.0	76.9	77.1	77.3	78.5	79.3	79.7	80.8	78.4	75.6	74.5			137.7
(1 KG/M3)		2500	66.0	71.3	71.3	72.3	73.8	74.0	74.4	75.9	76.8	78.0	78.2	75.7	72.8	71.8			135.4
FREQ. SHIFT		3120	63.5	69.2	68.5	69.5	70.6	71.5	71.5	73.2	73.7	74.5	74.0	72.2	69.7	68.5			132.7
JET 9		4000	59.5	64.3	65.1	65.8	66.1	67.6	68.2	70.4	69.3	72.0	70.1	69.5	66.8	64.5			130.0
DIAMETER RATIO		5000	57.8	61.5	61.7	63.0	63.6	63.4	63.8	65.2	65.8	68.4	66.1	66.2	64.7	62.9			126.7
DE/LM 8.00		6300	55.1	58.6	58.6	59.6	60.1	59.6	60.6	61.6	61.6	68.7	64.0	66.4	63.0	63.4			126.2
OVERALL CALCU. ATED		8000	54.4	57.3	57.0	57.2	59.5	57.7	59.2	59.5	59.5	70.7	64.7	67.9	67.1	65.2			129.1
PNUB		10000	57.0	58.1	56.6	57.4	60.4	58.5	60.3	59.5	58.1	73.6	66.7	70.4	69.2	67.4			133.7
			88.7	90.6	90.6	90.6	91.5	92.1	92.9	94.3	95.1	96.8	98.0	99.8	100.0	100.5			154.8
			95.3	98.3	98.7	98.8	100.0	100.5	100.9	102.4	103.0	104.7	105.4	104.8	103.0	102.8			156.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STU REV. ALPHA 12273	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30, (0.52)	40, (0.70)	50, (0.87)	60, (1.05)	70, (1.22)	80, (1.40)	90, (1.57)	100, (1.75)	110, (1.92)	120, (2.09)	130, (2.27)	140, (2.44)	150, (2.62)	160, (2.79)	0, (0)	0, (0)
NO EGA	50	51.3	51.6	57.0	57.2	59.4	59.9	60.9	63.0	64.1	65.1	63.2	67.9	68.6	65.8		
SIDELINE 2400. FT?	63	52.9	55.9	59.2	58.5	60.2	61.3	62.8	64.1	64.9	65.2	65.6	69.7	68.9	65.9		
(731.52 M)	80	52.3	55.5	58.3	58.2	60.4	60.9	63.6	64.5	65.4	65.2	66.1	68.3	68.4	66.7		
NFA 0. RPM	100	53.8	59.8	58.7	60.4	61.6	61.6	62.6	65.2	65.9	67.4	68.5	68.4	68.8	65.4		
(0. RAD/SEC)	125	54.2	59.4	58.7	59.7	61.1	61.2	64.3	65.1	65.7	67.6	66.9	67.2	65.3	61.1		
NFK 0. RPM	150	53.4	56.3	58.4	59.2	61.2	62.3	64.7	65.3	65.4	66.8	67.9	68.1	64.1	57.8		
(0. RAD/SEC)	200	53.0	57.4	58.8	60.0	61.9	62.7	63.7	64.2	64.6	66.0	66.7	65.9	61.3	55.0		
BFD 0. RPM	250	54.2	55.7	57.4	60.3	61.6	62.0	62.5	63.7	64.1	64.5	65.3	64.9	59.0	52.3		
(0. RAD/SEC)	313	52.0	55.9	57.4	58.3	59.5	60.8	62.2	63.5	63.5	64.8	63.6	63.5	57.1	49.9		
AIRFLOW RATIO	400	49.7	54.1	56.6	58.0	59.8	60.7	61.3	62.3	62.7	63.7	63.5	62.3	56.5	48.9		
WE/WM 8.00	500	47.9	52.9	55.4	57.6	58.7	59.9	60.4	62.5	62.4	63.1	63.0	60.0	53.6	46.9		
	630	46.9	52.1	55.0	56.4	57.7	60.0	60.9	62.2	62.7	62.8	62.1	59.7	53.4	46.4		
	800	46.0	53.3	54.7	57.0	58.0	59.4	59.8	62.1	61.4	61.6	61.1	57.9	51.6	44.7		
VEHICLE JENOTS	1000	44.8	51.6	54.0	56.6	58.6	60.0	59.3	60.6	60.9	60.9	60.6	56.5	49.7	42.6		
CONFIG JENOTS	1250	41.8	50.4	53.5	55.1	56.9	58.4	58.7	59.8	60.1	60.0	59.2	54.2	47.0	39.2		
LCC EVENDALE	1600	38.1	46.8	50.9	52.3	54.7	55.8	56.1	57.7	57.2	57.4	56.8	50.8	43.3	34.1		
DATE 05-07-75	2000	32.0	42.2	45.8	48.8	52.1	53.1	53.4	54.4	54.5	53.5	52.5	46.7	38.5	27.4		
BUN DBTF=MODEL 1	2500	24.7	36.4	40.3	43.8	46.9	48.0	48.6	49.9	49.9	49.6	47.2	40.8	31.4	18.4		
TARE X10430	3120	15.5	29.2	33.2	37.4	40.3	42.3	42.6	44.0	43.5	42.4	38.8	32.1	21.7	5.0		
FAH TIP SPEED	4000	1.3	16.5	23.5	28.1	30.8	33.6	34.6	36.4	34.0	34.3	28.6	21.8	8.7			
FT/SEC	5000		9.3	16.5	22.1	25.3	26.6	27.5	28.5	27.6	27.9	20.9	14.1	0.7			
	6300			2.6	9.3	13.3	14.7	16.3	16.7	14.8	18.4	7.9	1.1				
	8000						0.4	8.7	2.2		5.9						
OVERALL CALCULATED	10000																
PN28		53.3	67.5	69.1	70.3	71.9	73.0	74.1	75.4	75.8	76.7	76.8	77.4	75.6	72.7		
		54.2	69.6	72.2	74.0	76.1	77.4	78.0	79.5	79.4	80.0	79.5	77.8	72.8	67.7		

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY - JENOTS)

		PROC, DATE * MONTH 08 DAY 0 HR, 0:0																PHU		
		DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY - JENOTS)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	PHU	
BEV, ALPHA 12(73)		PREG, (0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,)	(0,)	(0,)		
NO EGA		30	76,2	75,0	77,1	77,7	78,7	79,2	80,8	83,3	85,8	88,6	88,5	95,5	96,0	98,4			148,8	
BDG, NO, 0		83	76,8	77,1	77,8	77,0	77,7	78,9	80,8	82,2	83,7	85,9	88,5	95,4	96,6	97,1			147,8	
RADIAL 320, FY.		80	78,3	78,2	78,7	77,4	79,2	79,0	81,3	83,1	84,9	85,7	89,7	94,6	96,1	99,3			148,3	
(98,4)		100	78,2	80,9	78,6	79,5	79,8	80,3	81,4	84,1	85,5	88,8	90,5	93,3	93,7	96,5			147,1	
VEHICLE JENOTS		129	79,3	81,4	79,3	78,9	79,8	81,2	82,4	84,1	86,1	88,6	90,2	92,9	93,1	93,2			146,4	
CONFIG JENOTS		180	78,5	78,7	79,6	79,0	80,0	80,9	84,2	83,7	85,7	88,6	91,6	93,0	91,9	89,7			146,2	
LOC EVENDALE		200	77,3	79,5	78,6	79,5	80,3	81,2	82,3	83,7	85,6	87,7	90,8	91,9	88,6	87,2			145,1	
DATE 05-07-75		250	79,1	77,8	77,3	79,9	80,7	81,3	81,8	83,6	84,9	86,6	89,2	90,7	87,1	84,8			144,0	
RUN DBTF-MODEL 1		315	77,5	78,3	78,5	78,2	79,1	79,9	81,2	83,1	84,3	86,6	87,5	88,9	85,4	82,2			142,9	
TAPE X10440		400	76,3	77,6	77,8	78,2	79,3	80,1	79,8	82,1	83,3	85,9	86,9	87,6	83,6	81,1			142,1	
BAR 29,4 HG		500	74,4	75,9	76,7	77,6	78,4	79,3	79,9	81,5	82,8	84,9	85,8	85,3	80,3	78,0			140,9	
(99246, N/42)		630	74,5	76,5	76,4	76,8	77,3	78,8	79,5	81,3	82,8	84,5	85,2	84,6	79,2	77,3			140,5	
TAMB 59, DEG F		800	73,8	76,9	76,3	76,9	77,7	79,3	78,4	80,4	81,8	83,5	83,4	83,0	78,4	76,1			139,7	
(288, DEG K)		1000	72,9	75,7	75,7	76,9	78,2	78,7	78,4	80,1	81,2	82,6	83,1	81,1	77,5	75,8			139,1	
TWET 51, DEG F		1250	72,1	75,8	75,3	76,1	77,0	77,9	77,6	79,6	80,5	82,0	82,2	79,8	75,8	74,6			138,5	
(284, DEG K)		1600	69,0	74,3	73,9	74,6	75,5	76,0	76,6	78,4	79,4	80,7	80,6	78,3	74,0	73,4			137,3	
HACT 0, GM/M3		2000	67,1	71,9	71,9	72,2	74,4	75,1	74,7	76,5	77,8	78,4	78,3	76,6	72,1	71,2			135,6	
JET 9		2500	64,0	69,8	69,0	70,0	71,3	72,2	72,1	74,4	75,5	76,0	75,9	73,7	70,0	69,5			133,4	
DIAMETER RATIO		3120	60,2	67,2	66,7	67,8	68,0	69,3	69,4	71,9	72,2	73,5	72,2	70,6	67,5	69,2			131,1	
FREQ, SHIFT		4000	56,2	63,2	62,5	63,5	63,8	65,8	65,9	68,6	68,5	70,5	69,1	68,0	64,8	68,2			128,5	
JET 9		5000	55,2	59,9	60,2	61,5	61,5	64,8	62,0	65,4	65,3	68,1	65,0	65,2	63,9	69,9			126,3	
OVERALL CALCULATED		6300	55,6	57,6	56,8	58,4	59,0	58,8	59,8	65,0	63,0	68,9	63,7	66,6	64,7	72,1			127,3	
PREG		8000	57,1	56,3	55,7	56,9	58,9	57,4	58,4	66,7	63,2	71,1	64,9	68,6	67,1	74,9			131,0	
		10000	58,4	57,0	55,8	56,6	60,6	58,4	60,1	68,7	65,1	73,8	66,7	70,7	69,4	76,6			135,7	
			88,7	90,1	89,8	90,2	91,1	91,9	93,0	94,7	96,2	98,5	100,2	103,3	103,6	104,7			157,0	
			74,3	77,0	76,7	77,5	78,6	79,4	79,7	101,9	102,8	104,9	105,5	106,4	104,3	105,5			158,3	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL; HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)
SPL INPUT AT STN	REQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
BEV, ALPHA 12.75	50	52.3	53.4	57.0	58.7	60.4	61.4	63.2	65.3	67.6	69.6	68.5	73.9	74.1	71.1	71.1	71.1
NO EGA	63	52.9	55.4	57.7	58.0	59.5	61.0	62.8	64.4	65.4	67.0	68.4	73.7	72.6	69.6	69.6	69.6
SIDELINE 2400; FT?	90	54.3	56.5	58.6	58.4	60.9	61.1	63.6	65.2	66.6	66.7	69.6	72.8	72.1	71.7	71.7	71.7
(731.52 M)	100	54.0	59.1	58.4	60.4	61.4	62.3	63.6	66.2	67.2	69.6	70.2	71.4	69.5	68.7	68.7	68.7
NFA 0: RPM	125	55.0	59.4	58.9	59.7	61.3	63.2	64.5	66.1	67.7	69.4	69.9	70.9	69.8	65.1	65.1	65.1
(0: RAD/SEC)	150	53.9	56.5	59.1	59.7	61.4	62.8	66.2	65.5	67.1	69.3	71.1	70.8	67.4	61.3	61.3	61.3
NFK 0: RPM	200	52.5	57.1	58.0	60.0	61.6	63.0	64.2	65.5	66.9	68.3	70.2	69.6	63.8	58.5	58.5	58.5
(0: RAD/SEC)	220	53.9	55.2	56.4	60.3	61.9	63.0	63.5	65.2	65.6	67.0	68.3	68.2	62.0	55.5	55.5	55.5
NFD 0: RPM	315	52.0	55.4	57.4	58.3	60.0	61.3	62.7	64.5	65.2	66.7	66.4	66.0	59.8	52.4	52.4	52.4
(0: RAD/SEC)	400	50.2	54.3	56.3	58.0	60.0	61.2	61.1	63.3	64.0	65.7	65.5	64.3	57.5	50.4	50.4	50.4
AIRFLOW RATIO	500	57.7	52.1	54.9	57.0	58.7	60.2	60.9	62.3	63.1	64.4	64.0	61.5	53.5	46.3	46.3	46.3
WF/WM 8.00	630	56.9	52.0	54.0	55.5	57.2	59.3	60.1	61.7	62.7	63.5	62.8	60.2	51.6	44.4	44.4	44.4
	800	55.0	51.5	53.2	55.3	57.0	59.1	58.5	60.3	61.2	61.9	60.3	57.7	49.6	41.5	41.5	41.5
VEHICLE JENOTS	1000	52.8	49.3	51.7	54.5	56.8	58.0	57.8	59.3	59.8	60.2	59.1	54.8	47.4	39.1	39.1	39.1
CONFIG JE059	1250	50.3	48.1	50.3	52.8	54.9	56.4	56.2	58.1	58.3	58.7	57.2	52.2	44.0	35.4	35.4	35.4
LCC EVENDALE	1600	54.8	44.8	47.4	50.0	52.1	53.3	54.1	55.7	56.0	56.1	54.1	48.8	39.8	30.6	30.6	30.6
DATE 05-07-75	2000	50.0	40.2	43.5	46.7	49.5	51.1	50.9	52.4	52.7	52.2	50.0	44.9	35.0	24.1	24.1	24.1
RUN DBTF=MODEL 1	2500	52.7	34.9	38.0	41.5	44.4	46.2	46.3	48.4	48.6	47.3	44.9	38.8	28.7	16.1	16.1	16.1
TAPE X13440	3120	52.2	27.1	31.4	35.6	37.8	40.1	40.5	42.7	41.9	41.3	37.0	30.6	19.4	5.7	5.7	5.7
EAN TIP SPEED	4000		15.5	21.0	25.8	28.5	31.8	32.3	34.6	33.2	32.8	27.6	20.2	6.6			
FT/SEC	5000		7.7	14.9	20.6	23.3	25.1	25.7	28.7	27.1	27.2	19.8	13.0				
	6300			0.8	8.0	12.2	13.9	15.6	20.1	16.2	18.6	7.7	1.4				
	8000						8.1	1.9	9.4	3.2	6.4						
OVERALL CALCULATED	10000	53.6	67.2	68.6	70.1	71.8	73.1	74.5	76.0	77.2	78.7	79.5	81.2	79.5	77.0		
PNDB		53.8	69.1	71.2	73.3	75.3	76.8	79.4	79.3	80.0	81.2	81.3	80.4	75.2	70.7		

PROC: DATE = MONTH 14 DAY 0 HR, 0:6
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUG, DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,			
SPL INPUT AT STD		FREQ,																			
REV, ALPHA 12273																					
NO EGA		30	82.4	78.5	80.6	79.9	81.2	81.2	83.6	86.3	89.3	92.6	93.5	99.5	102.2	102.1			152.8		
RCG, NO, 01		43	83.8	80.3	80.8	78.8	79.5	80.9	82.5	84.7	86.7	88.7	91.5	98.9	101.1	98.3			151.1		
RADIAL 320, FY,		80	83.1	80.9	80.9	80.2	80.9	81.2	83.6	85.4	88.2	89.4	93.9	98.6	101.1	101.5			152.0		
(98, M)		100	82.2	82.9	81.1	81.3	82.0	82.5	83.4	86.4	88.3	91.5	94.0	97.3	98.7	101.0			151.1		
VEHICLE JENOTS		125	83.3	84.1	81.0	81.1	81.8	83.7	85.2	86.8	88.6	91.8	94.5	95.4	96.1	96.4			149.3		
CONFIG JE8059		150	81.2	81.2	81.4	81.3	82.2	83.4	86.2	86.9	88.7	92.1	95.1	96.5	94.4	93.2			149.4		
LCC EVENDALE		200	79.8	81.7	80.6	81.7	82.3	83.5	85.0	86.7	88.6	91.2	94.1	94.2	91.9	89.7			148.0		
DATE 05-07-75		220	80.8	80.1	79.5	82.6	82.7	83.8	83.8	85.8	88.0	90.9	92.7	93.0	89.8	88.5			147.0		
RUN CPTF=MODEL 1		315	79.3	79.5	80.2	80.2	80.8	82.2	82.9	85.6	87.5	89.8	91.0	91.4	87.6	85.2			145.7		
TAPE X10450		400	78.5	78.9	79.5	80.2	80.8	81.6	82.5	84.6	86.8	88.9	90.4	89.6	86.6	83.1			144.8		
BAR 29.4 HG		500	76.4	77.2	77.7	79.1	80.1	81.1	82.4	84.5	86.1	87.9	88.6	86.8	82.8	80.3			143.4		
(99246, N/M2)		630	76.2	77.5	77.4	78.8	79.0	80.6	81.5	83.5	85.6	88.0	87.7	85.9	81.5	78.3			142.9		
TAMB 59, DEG F		800	75.8	77.4	77.6	78.2	79.2	80.0	80.7	82.7	84.8	86.0	85.9	84.2	79.6	75.9			141.7		
(288, DEG K)		1000	74.4	76.7	76.2	77.4	78.4	79.7	79.6	82.1	83.7	85.6	85.1	82.6	77.5	74.8			140.9		
TWET 51, DEG F		1250	75.6	75.8	75.8	76.8	77.5	78.4	78.6	81.4	83.0	84.2	84.0	80.6	76.5	74.1			140.0		
(284, DEG K)		1600	71.0	74.1	74.2	75.1	76.5	76.5	78.1	79.7	81.4	83.0	82.1	79.6	74.5	72.2			138.7		
HACT 0, GM/M3		2000	68.3	71.1	71.4	72.4	74.4	75.4	75.7	78.2	79.0	80.4	79.8	77.6	72.6	70.2			136.7		
(1, KQ/M3)		2500	68.2	68.3	68.2	69.8	71.3	72.0	73.4	75.4	77.5	78.3	77.4	75.4	70.5	68.8			134.7		
FREQ, SHIFT		3120	65.5	65.7	65.9	67.0	67.8	68.8	69.2	72.2	73.7	75.0	73.5	73.4	70.7	69.2			132.0		
JET 9		4000	67.2	61.2	61.3	63.0	63.5	65.3	65.9	69.3	69.7	71.2	70.1	72.0	70.5	68.2			129.8		
DIAMETER RATIO		5000	66.0	58.9	58.9	60.2	60.8	61.1	62.3	65.7	66.0	67.8	65.5	71.2	71.4	70.4			128.0		
DE/CM -8.00		6300	67.9	56.6	56.3	57.1	58.8	58.3	59.6	65.0	63.5	66.2	63.9	73.9	74.0	73.1			130.1		
OVERALL CALCULATED		8000	64.1	56.3	55.2	55.6	59.2	57.4	58.4	66.7	63.5	67.1	64.2	75.6	76.1	74.9			133.4		
PNDB		10000	60.7	57.0	55.6	55.3	60.3	58.2	60.1	68.9	65.1	69.3	65.9	77.7	78.9	77.4			138.3		
			92.4	92.1	91.6	92.1	92.8	93.8	95.1	97.2	99.2	101.8	103.8	106.6	107.8	107.7			160.3		
			97.8	97.6	97.4	98.3	99.4	100.3	101.2	103.7	105.2	107.2	108.2	109.2	108.3	107.9			161.6		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM., DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,
BEV, ALPHA 12273		FREQ (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)
NO EGA		50	58.6	56.9	60.5	61.0	62.9	63.4	63.9	68.5	71.1	73.6	73.5	77.9	78.4	74.8	
SIDELINE 2400 FT		83	59.9	58.7	60.7	59.8	61.2	63.0	64.8	66.9	68.4	69.7	71.4	77.2	77.1	70.9	
(731.52 M)		80	59.0	59.2	60.8	61.2	62.7	63.4	63.9	67.5	69.9	70.4	73.8	76.8	77.1	74.0	
BFA		100	58.0	61.1	60.9	62.1	63.6	64.6	65.6	68.4	69.9	72.4	73.7	75.4	74.5	73.2	
0, RPM		125	59.0	62.2	60.7	62.0	63.3	65.7	67.3	68.8	70.5	72.6	74.1	73.4	71.8	68.4	
0, RAD/SEC		150	56.7	59.0	60.9	62.0	63.7	65.3	68.2	68.8	70.1	72.8	74.6	74.3	69.9	64.8	
BFA		200	55.0	59.4	60.0	62.3	63.6	65.2	66.9	68.5	69.9	71.8	73.4	71.9	67.0	61.0	
0, RPM		250	55.7	57.5	58.7	63.0	63.9	65.5	65.5	67.4	69.1	71.2	71.8	70.4	66.7	59.3	
0, RAD/SEC		315	53.7	56.6	59.1	60.3	61.8	63.6	64.5	67.0	68.5	69.9	69.9	68.5	68.1	55.4	
BFD		400	52.4	55.6	58.1	60.0	61.5	62.7	63.8	65.8	67.5	68.7	69.0	66.3	60.3	52.4	
0, RAD/SEC		500	49.7	53.9	55.9	58.5	60.5	62.9	63.4	65.3	66.7	67.4	66.7	63.0	56.0	48.6	
AIRFLOW RATIO		630	48.6	53.0	55.0	57.8	58.9	61.0	62.1	63.9	65.5	67.0	65.3	61.4	53.9	45.4	
WF/W 8.00		800	47.0	52.0	54.4	56.5	58.5	59.9	60.8	62.6	64.2	64.4	62.8	58.9	50.9	41.2	
VEHICLE JENOTS		1000	44.3	50.3	52.2	55.0	57.1	59.0	59.1	61.3	62.3	63.2	61.1	56.3	47.4	38.1	
CONFIG JENOTS		1250	43.8	48.3	50.8	53.6	55.4	56.9	57.2	59.8	60.8	60.9	58.9	52.9	44.7	34.9	
LCC EYENDALB		1600	46.8	44.6	47.6	50.5	53.1	53.8	55.6	57.0	58.0	58.3	55.6	50.1	40.3	29.3	
DATE 05-07-75		2000	31.2	39.4	43.0	46.2	49.5	51.3	51.9	54.2	54.2	54.2	51.5	45.9	38.5	23.1	
BUN DBTF=MODEL 1		2500	26.9	33.4	37.2	41.3	44.4	46.0	47.6	49.4	50.6	49.8	46.4	40.5	29.2	15.3	
TAPE X10450		3150	17.4	25.6	30.7	34.9	37.5	39.6	40.3	43.0	43.4	42.8	38.2	33.3	22.7	5.7	
FAN TIP SPEED		4000	9.0	13.5	19.7	25.3	28.2	31.3	32.3	35.4	34.4	33.5	28.6	24.2	12.4		
FT/SEC		5000	2.0	6.7	13.7	19.3	22.6	24.3	26.0	28.9	27.8	26.7	20.3	19.0	7.4		
6300					0.3	6.8	12.0	13.4	15.3	20.1	16.7	15.9	7.9	8.6			
8000							8.1	1.9	9.4	3.5	2.4						
10000																	
OVERALL CALCULATED			67.6	69.5	70.7	72.2	73.7	75.2	76.7	78.6	80.2	82.1	83.1	84.6	85.7	80.0	
PNDR			66.7	70.5	72.7	75.0	76.8	78.4	79.6	81.6	83.1	84.4	84.7	83.3	79.2	74.7	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG, F, 70 PERCENT REL, H09, DAY = JENOTS)
 PROC DATE = MONTH 45 DAY 0 HR, 0:6

SPL INPUT AT STU		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
BEV, ALPHA 12(75)	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	-0		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
NO EGA	20	78.4	77.2	80.1	79.7	80.4	81.0	82.8	85.6	89.1	91.8	92.3	98.8	101.0	100.9				151.8	
REG, NC, 0	33	78.8	79.6	79.8	78.3	79.2	80.4	82.6	84.2	85.9	87.9	90.0	97.1	99.1	98.1				149.6	
RADIAL 320, FT.	80	80.1	79.7	79.7	78.9	80.2	81.0	82.8	84.9	87.7	88.2	92.9	97.6	98.6	100.8				150.6	
(98, M)	100	80.0	80.4	80.1	80.8	81.0	81.8	83.2	85.6	87.3	90.5	93.2	95.8	96.0	99.5				149.5	
VEHICLE JENOTS	125	81.1	79.1	80.3	80.1	81.3	82.2	84.4	86.1	88.1	91.1	93.2	94.9	94.8	95.2				148.5	
CONF JENOTS	150	79.7	79.4	80.1	80.3	81.7	82.4	85.2	85.9	87.7	90.6	94.1	95.2	93.9	91.4				148.3	
LOC EVENDALE	200	78.5	79.7	79.6	80.0	81.8	83.0	83.8	85.5	87.6	89.2	92.6	93.2	90.9	88.2				146.7	
DATE 05-07-75	250	79.3	78.8	78.8	80.9	82.0	82.6	82.8	85.3	86.7	88.9	91.7	92.0	88.3	85.8				145.8	
RLN DBTF-MODEL 1	315	78.0	78.8	79.0	78.9	80.1	80.7	81.9	84.6	86.3	88.3	89.5	90.7	86.4	83.0				144.5	
TAPE X10450	400	76.8	77.9	79.0	79.0	80.1	82.1	81.5	83.6	85.0	87.9	88.7	88.9	85.1	81.9				143.6	
BAR 29.4 HG	500	74.9	76.2	77.0	78.1	79.2	80.3	80.9	83.0	84.3	86.4	87.3	85.8	81.6	79.3				142.1	
(99246, N/M2)	630	74.2	76.0	75.9	77.3	78.3	79.6	80.5	83.0	84.8	86.2	86.2	84.9	79.8	77.8				141.7	
TAMB 61, DEG F	800	74.5	76.6	76.3	76.9	77.9	79.5	79.5	82.2	83.1	85.0	84.7	83.2	78.9	77.1				140.7	
(289, DEG K)	1000	72.6	75.7	76.0	76.4	77.7	78.8	78.9	81.6	82.7	83.8	83.3	80.9	77.3	76.3				139.8	
THET 52, DEG F	1220	71.1	74.8	75.3	75.9	77.1	78.0	78.1	80.1	81.7	83.0	82.7	79.8	76.0	74.9				139.0	
(284, DEG K)	1600	68.8	72.8	73.7	75.1	76.3	76.8	77.1	78.9	80.1	81.5	80.9	78.3	74.8	73.4				137.8	
WACT 0, GM/M3	2000	66.3	70.9	71.4	72.0	74.1	75.1	75.5	77.5	78.5	79.7	78.6	76.4	73.1	71.2				136.1	
(1, KG/M3)	2500	63.3	68.3	68.8	69.6	71.3	72.0	72.6	74.9	76.5	77.0	76.2	73.7	71.0	69.3				133.9	
FREQ, SHIFT	3120	60.0	66.5	66.0	66.8	67.8	69.1	69.7	72.0	73.0	73.8	72.5	70.4	70.7	69.0				131.3	
JEY 9	4000	55.7	62.0	61.6	62.8	63.8	65.9	65.9	68.6	69.0	71.2	68.9	67.3	70.1	68.2				128.9	
DIAMETER RATIO	5000	54.5	59.7	59.0	60.3	61.1	61.4	62.3	66.0	65.3	68.9	64.8	64.0	70.9	69.9				127.0	
DE/GM - 8.00	6300	53.9	58.1	56.6	57.4	59.1	58.9	59.6	65.1	62.8	69.7	63.5	64.4	73.3	71.9				128.5	
OVERALL CALCULATED	8000	55.4	56.8	55.7	56.9	59.0	58.7	58.7	66.5	63.2	72.2	65.0	66.2	75.6	74.7				132.4	
PNBB	10000	56.5	58.1	55.4	56.6	60.1	58.2	59.8	68.5	65.4	74.4	66.9	67.9	77.7	76.1				137.0	
		89.9	90.3	90.7	91.0	92.1	93.0	94.3	96.4	98.3	100.5	102.6	105.5	106.1	106.6				159.1	
		74.6	76.5	76.9	77.7	79.0	79.8	100.6	103.0	104.2	106.3	107.0	107.4	106.8	105.9				160.4	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STU	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
REV. ALPHA 12(73)	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	30	54.6	55.6	60.0	60.7	62.2	63.2	65.2	67.8	70.8	72.9	72.2	77.2	77.1	73.6		
SIDELINE 24004 FT	80	54.9	57.9	59.7	59.3	61.0	62.5	64.3	66.4	67.7	69.0	69.9	75.5	75.1	70.6		
(731.52 M)	100	56.0	58.0	59.6	59.9	61.9	63.1	65.1	67.0	69.4	69.2	72.8	75.8	74.6	73.2		
NFA	125	55.8	58.6	59.9	61.6	62.6	63.8	65.4	67.7	68.9	71.4	73.0	73.9	71.8	71.7		
(0, RPM)	150	56.7	57.2	59.9	61.0	62.8	64.2	66.5	68.1	69.7	71.9	72.9	72.9	70.5	67.1		
(0, RAD/SEC)	180	55.2	57.3	59.6	61.0	63.2	64.3	67.2	67.8	69.1	71.3	73.6	73.1	69.4	63.1		
NFK	200	53.7	57.4	59.0	60.5	63.1	64.7	65.7	67.2	68.9	69.8	71.9	70.9	66.0	59.5		
(0, RPM)	250	54.2	56.2	57.9	61.3	63.1	64.2	64.5	66.9	67.9	69.2	70.8	69.4	63.2	56.5		
SFD	315	52.5	55.9	57.9	59.1	61.0	62.1	63.5	66.0	67.2	68.4	68.4	67.8	60.8	53.1		
(0, RAD/SEC)	400	50.7	54.6	57.6	58.8	60.8	62.2	62.8	64.8	65.7	67.7	67.2	65.6	59.0	51.2		
AIRFLOW RATIO	500	48.2	52.4	55.1	57.6	59.5	61.2	61.9	63.8	64.7	65.9	65.5	62.0	54.8	47.6		
WE/WH 8.00	630	46.8	51.0	53.5	56.4	58.2	60.0	61.1	63.5	64.7	65.3	63.8	60.4	52.1	44.9		
	800	45.8	51.3	53.2	55.3	57.3	59.4	59.5	62.1	62.4	63.4	61.6	57.9	50.1	42.5		
VEHICLE JENOTS	1000	42.5	49.3	52.0	54.1	56.4	58.0	58.3	60.9	61.3	61.4	59.4	54.5	47.2	39.6		
CONFIS JENOTS	1250	39.3	47.1	50.3	52.6	54.9	56.4	56.7	58.6	59.8	59.7	57.7	52.2	44.2	35.7		
LCC EVENDALE	1600	34.6	43.3	47.2	50.5	52.9	54.1	54.6	56.3	56.7	56.9	54.3	48.8	40.6	30.6		
DATE 05-07-75	2000	29.2	39.2	43.1	45.8	49.3	51.1	51.7	53.4	53.7	53.5	50.2	44.7	36.0	24.1		
BUN DBTE=MODEL 1	2500	22.0	33.4	37.8	41.1	44.4	46.0	46.9	48.9	49.6	48.6	45.2	38.8	29.7	15.9		
TAPE X10400	3120	12.0	26.4	30.7	34.7	37.6	39.9	40.8	42.8	42.7	41.6	37.3	30.4	22.7	5.5		
FAN TIP SPEED	4000		14.3	20.0	25.1	28.5	31.9	32.4	34.6	33.7	33.6	27.3	19.5	11.9			
FT/SEC	5000		7.5	13.7	19.4	22.8	24.6	26.0	29.2	27.1	28.0	19.6	11.8	6.9			
	6300			0.6	7.1	12.3	18.0	15.3	20.2	16.0	19.4	7.4					
	8000							2.2	9.2	3.3	7.4						
	10000																
OVERALL CALCULATED		55.0	67.5	69.8	71.1	73.0	74.3	75.8	77.8	79.3	80.6	82.0	83.5	81.9	79.0		
PN28		64.4	69.1	72.0	73.9	76.1	77.7	78.7	80.8	81.8	83.1	83.2	82.0	77.3	73.2		

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ORIGINAL PAGE IS
OF POOR QUALITY

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0, 0, 0, PWLI		
SPL INPUT AT STD ---		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	190,	200,	210,
REV, ALPHA 12/73		PREQ,	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
NO EGA		20	79.4	77.0	80.6	79.4	80.4	81.0	83.1	85.3	88.8	91.8	92.3	97.5	100.2	100.1				151.1
RDG, NO, 0		33	80.8	79.3	79.3	78.3	79.2	80.4	82.2	84.0	86.2	87.7	90.7	97.6	99.6	97.1				149.9
RADIAL 320, FT.		40	79.3	79.4	79.9	79.2	80.2	80.2	82.6	84.6	86.9	88.7	92.7	96.8	98.6	99.3				150.0
(98, M)		100	80.2	82.2	80.4	80.8	81.8	82.0	82.9	85.6	87.0	91.0	93.0	95.8	96.2	97.5				149.2
VEHICLE JENOTS		125	80.8	83.4	80.3	80.9	81.0	82.7	84.2	86.1	88.1	90.6	92.7	94.4	92.8	92.7				147.8
BCNFIG JE=059		150	79.5	79.9	80.6	80.5	81.5	82.2	85.2	86.2	87.7	90.4	93.3	95.2	91.7	89.2				147.7
LCC EVENDALE		200	78.3	81.8	79.6	81.0	82.1	83.0	84.3	85.7	86.8	89.2	92.6	92.2	89.1	86.0				146.3
DATE 05/07-75		250	79.3	78.6	79.0	81.9	82.2	82.6	82.8	85.1	86.7	88.6	91.4	91.2	87.3	84.5				145.5
RUN CBTF=MODEL 1		315	78.3	79.3	80.2	79.9	80.8	81.9	82.4	84.6	86.3	88.3	89.7	89.9	84.9	81.7				144.5
TAPE X10470		400	77.3	78.9	79.8	80.2	81.1	81.8	82.0	84.1	85.3	87.6	88.4	89.1	89.1	81.4				143.8
BAR 29.4 HG		500	75.7	77.7	78.7	79.6	80.9	81.6	82.1	84.0	85.6	87.7	87.6	87.1	83.1	81.0				143.2
99248, N/42)		630	75.7	78.0	78.9	79.6	80.3	81.3	82.3	84.3	86.1	88.0	88.5	87.4	83.5	81.6				143.7
TAMB 61, DEG F		800	75.8	78.9	79.3	80.2	81.2	82.5	82.0	84.2	86.1	87.9	87.4	86.7	84.4	82.6				143.6
(289, DEG K)		1030	74.9	78.4	79.7	80.7	81.7	82.5	82.2	84.4	85.5	87.3	86.8	85.9	83.6	82.3				143.4
THET 52, DEG F		1250	73.6	78.3	79.3	80.1	81.6	82.0	81.6	83.6	85.2	86.7	87.0	85.1	82.8	81.6				143.1
(284, DEG K)		1600	72.0	77.3	78.4	79.4	81.0	81.3	81.6	82.7	84.6	85.5	85.4	84.1	81.3	80.2				142.3
MACT 0. GM/M3		2000	70.8	75.7	76.7	78.0	80.1	80.6	80.0	82.0	83.0	83.9	83.6	83.1	79.9	78.0				141.2
41 KG/M3}		2500	67.3	73.3	74.0	75.6	76.8	77.5	78.1	79.4	81.3	81.3	81.2	80.0	77.5	75.8				139.0
FREQ, SMIFT		3120	67.8	71.2	72.0	73.5	74.1	74.6	75.2	76.7	78.0	79.3	77.5	76.4	75.2	73.2				136.6
JET 9		4000	61.5	66.8	67.6	68.5	69.6	71.9	71.2	73.6	73.8	75.5	74.1	73.3	72.8	70.0				133.7
DIAMETER RATIO		5000	61.3	63.2	64.2	65.3	66.1	66.1	67.1	69.7	70.3	71.1	69.6	68.7	71.7	70.9				130.4
DE/GM 8.00		6300	63.4	59.8	60.6	61.4	62.1	62.4	63.4	67.3	66.3	68.5	66.0	66.2	73.0	72.1				129.8
OVERALL CALCULATED		10000	63.7	58.8	56.6	57.4	60.9	58.7	60.0	69.0	64.9	69.4	66.2	67.9	77.7	76.4				136.2
PNBB		8000	90.4	91.9	92.0	92.6	93.5	94.3	95.2	97.1	98.9	101.1	102.8	105.3	105.8	105.3				159.1
			96.9	99.6	100.3	101.2	102.7	103.3	105.6	105.7	107.0	108.5	108.8	109.0	107.9	107.0				160.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

		- ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	0,	0,	0,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(0)	(0)	(0)
SPL INPUT AT STU																				
REV, ALPHA 12/73	FREQ,	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180			
		55.6	55.4	60.5	60.5	62.2	63.2	65.4	67.5	70.6	72.9	72.2	75.9	78.4	72.8					
NO EGA	83	56.9	57.7	59.2	59.3	61.0	62.5	64.5	66.1	67.9	68.7	70.6	76.0	75.6	89.6					
SIDELINE 2400, ET?	90	55.3	57.7	59.8	60.2	61.9	62.4	64.9	66.7	68.6	69.7	72.6	75.1	74.6	71.7					
(73.52 M)-	100	56.0	60.3	60.2	61.6	63.4	64.1	65.1	67.7	68.7	71.9	72.7	73.9	72.0	89.7					
BFA 0, RPM	125	56.5	61.4	59.9	61.7	62.6	63.7	66.3	68.1	69.7	71.4	72.4	72.4	68.5	64.6					
(0, RAD/SEC)	150	54.9	57.8	60.1	61.2	62.9	64.0	67.2	68.0	69.1	71.1	72.9	73.1	67.1	80.8					
BFK 0, RPM	200	53.5	58.9	59.0	61.5	63.4	64.7	66.2	67.5	68.4	69.8	71.9	69.9	64.3	57.2					
(0, RAD/SEC)	250	54.2	56.0	58.2	62.3	63.4	64.2	64.5	66.7	67.9	69.0	70.6	68.7	62.2	58.3					
BFD 0, RPM	315	52.7	56.4	59.1	60.1	61.8	63.3	64.5	66.0	67.2	68.4	68.6	67.8	59.3	51.9					
(0, RAD/SEC)	400	51.2	55.6	58.3	60.0	61.8	63.0	63.3	65.3	66.0	67.4	67.0	65.8	59.0	50.7					
AIRFLOW RATIO	500	48.9	53.9	56.9	59.1	61.2	62.4	63.1	64.8	65.9	67.1	65.7	63.3	56.3	48.4					
WF/WB 8.00	630	48.1	53.8	56.5	58.6	60.2	61.8	62.9	64.7	66.0	67.0	66.1	62.9	55.9	48.6					
	800	47.0	53.5	56.2	58.5	60.5	62.4	62.0	64.1	65.4	65.9	64.3	61.4	55.6	48.0					
VEHICLE JENOTS	1000	44.8	52.1	55.8	58.3	60.4	61.8	61.6	63.6	63.8	64.6	62.9	59.5	53.4	45.6					
CONF, JE#05?	1250	41.8	50.6	54.3	56.8	59.4	60.4	60.2	62.1	63.1	63.5	62.0	57.4	51.0	42.4					
LOC EVENDALE	1600	37.8	47.8	51.9	54.8	57.7	58.6	59.1	60.0	61.2	60.9	58.8	54.6	47.1	37.4					
DATE 05-07-75	2000	33.7	44.0	48.3	51.8	55.3	56.6	56.2	57.9	58.2	57.8	55.2	51.4	42.8	30.9					
BUN DBTF-MODEL 1	2500	26.0	38.4	43.0	47.1	49.9	51.5	52.4	53.4	54.4	52.8	50.2	45.1	36.2	22.4					
TAPE X10470	3120	19.7	31.2	36.7	41.4	43.8	45.4	46.3	47.5	47.7	47.1	42.3	36.4	27.2	9.7					
EAN TIP SPEED	4000	3.3	19.0	26.0	30.8	34.3	37.9	37.6	39.6	38.3	37.8	32.6	25.5	16.7						
FT/SEC	5000		11.0	19.0	24.4	27.8	29.4	30.8	33.0	32.1	30.2	24.4	16.6	7.7						
	6300			4.6	11.1	15.3	17.3	19.1	22.4	19.8	18.2	9.9	0.9							
	8000					0.5	1.9	3.7	10.2	4.8	3.2									
	10000																			
OVERALL CALCULATED		55.3	68.8	70.5	72.1	73.8	75.1	76.4	78.1	79.5	81.1	81.9	83.2	81.6	77.6					
PNDB		55.3	70.9	73.8	76.3	78.7	80.0	80.7	82.3	83.4	84.3	84.2	82.9	79.7	72.1					

SPL INPUT AT STD -		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
BEV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0)	(0)	(0)
NO EGA -	30	80.7	79.0	81.8	81.2	81.9	82.2	84.8	87.3	90.1	93.8	94.5	100.0	102.2	102.4	102.4	102.4	153.2		
BEG, NO. 0.	83	82.6	81.8	82.1	80.5	80.7	82.4	83.5	86.2	87.7	89.9	93.7	100.4	102.1	100.3	100.3	100.3	152.5		
RADIAL 320. FT.	80	93.6	82.4	81.9	81.2	82.4	82.2	84.8	87.1	89.4	90.9	95.7	100.3	101.9	103.3	103.3	103.3	153.4		
(98. 4)	180	82.7	85.4	82.6	83.3	83.3	83.8	84.9	87.9	89.3	92.5	95.7	98.3	99.0	102.0	102.0	102.0	152.0		
VEHICLE JENOTS	125	83.8	86.4	82.5	82.6	83.5	84.7	86.7	88.1	90.4	93.6	96.0	97.7	98.1	98.4	98.4	98.4	151.3		
CONFIC JE#059	180	82.0	82.4	82.4	82.8	83.5	84.7	88.2	88.2	89.7	93.1	96.1	97.7	98.4	94.7	94.7	94.7	150.7		
LCC EVENDALE	200	80.3	83.0	81.9	82.5	83.6	85.0	86.0	88.2	89.6	92.0	95.3	95.4	93.1	91.5	91.5	91.5	149.2		
DATE 05-07-75	250	81.1	80.8	80.5	83.1	84.0	84.6	85.3	87.8	89.5	91.6	93.9	94.0	90.6	88.8	88.8	88.8	148.1		
RUN CBT-MODEL 1	315	79.3	80.5	81.5	81.2	82.1	83.2	84.2	86.6	88.5	91.3	91.7	92.9	88.1	85.7	85.7	85.7	146.8		
TAPE X10480	400	78.3	80.4	80.0	81.2	81.8	82.8	83.5	85.6	87.5	90.1	90.7	90.6	86.8	83.6	83.6	83.6	145.6		
BAR 29.4 HG	500	76.4	78.4	78.5	80.1	80.6	82.3	83.4	85.2	86.8	89.9	89.1	87.8	83.6	81.0	81.0	81.0	144.5		
99246, N/42)	630	75.7	77.3	77.9	79.1	80.0	81.3	82.8	85.3	86.6	89.0	88.5	86.9	82.0	79.8	79.8	79.8	143.9		
TAMB 59, DEG F	800	75.0	77.6	78.1	79.4	80.4	82.0	82.4	84.4	85.8	87.7	87.2	85.0	80.9	79.1	79.1	79.1	143.1		
(288, DEG K)	1000	73.9	77.4	77.4	78.7	79.9	81.5	86.9	83.6	84.7	86.8	85.8	83.4	79.8	78.8	78.8	78.8	142.1		
THET 51, DEG F	1250	72.3	76.5	77.0	78.1	79.5	80.4	80.1	82.9	84.0	85.7	84.7	81.8	78.5	77.1	77.1	77.1	141.3		
(284, DEG K)	1600	70.3	74.8	75.9	76.6	78.3	79.0	79.8	81.4	82.6	84.9	83.1	80.3	77.3	75.4	75.4	75.4	140.2		
WACT 0, GM/M3	2000	67.8	72.6	73.6	74.7	76.9	77.1	78.0	79.7	81.0	81.9	81.3	78.4	75.4	74.2	74.2	74.2	138.5		
KG/M3)	2500	64.2	70.3	70.7	72.3	73.3	74.0	75.6	77.6	79.0	79.5	79.2	76.2	73.2	71.8	71.8	71.8	136.4		
FREQ. SHIFT	3150	60.7	69.7	67.7	68.8	70.0	71.3	72.2	74.4	75.7	76.3	75.2	73.9	72.2	70.4	70.4	70.4	133.8		
JET 9	4000	56.7	64.5	63.3	65.0	65.5	67.8	69.2	71.1	71.5	72.7	72.4	72.2	71.0	68.9	68.9	68.9	131.3		
DIAMETER RATIO	5000	55.0	61.7	60.4	62.2	62.8	63.1	66.3	67.4	68.0	70.3	70.3	72.2	71.9	70.2	70.2	70.2	129.7		
DE/DM - 8.00	6300	54.1	59.3	58.1	58.9	60.0	60.1	66.1	66.3	64.3	70.2	71.4	74.6	74.2	72.1	72.1	72.1	131.5		
OVERALL CALCULATOR	8000	53.6	59.3	55.7	57.4	59.4	57.7	67.2	67.0	64.2	72.1	73.9	76.9	76.8	75.1	75.1	75.1	135.4		
PND8	10000	52.9	59.8	55.6	56.6	60.1	58.4	69.5	69.2	65.3	74.6	76.2	79.4	79.4	77.1	77.1	77.1	140.4		
		52.2	53.5	52.8	53.3	54.1	55.1	66.6	68.6	100.3	103.0	105.1	107.9	108.6	108.9	108.9	108.9	161.4		
		56.3	58.9	58.9	59.7	101.1	102.9	103.3	105.2	106.2	108.7	109.9	110.4	109.3	109.1	109.1	109.1	162.7		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,		
SPL INPUT AT BTU																				
REV: ALPHA 12275		FREQ																		
NO EGA		50	56,8	57,4	61,8	62,2	63,7	64,4	67,2	69,5	71,8	74,9	74,5	78,4	78,4	75,1				
SIDELINE 24007 FT		83	28,6	60,2	62,0	61,5	62,5	64,5	65,8	68,4	69,4	71,0	73,6	78,7	78,1	72,9				
(731,52 M)		80	29,5	60,7	61,8	62,2	64,2	64,4	67,1	69,2	71,1	71,9	75,6	78,6	77,8	75,7				
NFA 0, RPM		100	58,5	63,6	62,4	64,1	64,9	65,8	67,1	69,9	70,9	73,4	75,5	76,4	74,8	74,2				
(0, RAD/SEC)		125	59,5	64,4	62,2	63,5	65,1	66,7	68,8	70,1	71,9	74,4	75,6	75,7	75,8	70,4				
NFK 0, RPM		150	27,4	60,3	61,9	63,5	64,9	66,5	70,2	70,0	71,1	73,8	75,6	75,6	71,9	66,3				
(0, RAD/SEC)		200	25,5	60,6	61,3	63,0	64,9	66,7	67,9	70,0	70,9	72,5	74,7	73,1	68,3	62,7				
NFD 0, RPM		250	55,9	58,2	59,7	63,5	65,1	66,2	67,0	69,4	70,6	72,0	73,1	71,4	65,5	59,5				
(0, RAD/SEC)		315	23,7	57,6	60,4	61,3	63,0	64,6	65,7	68,0	69,5	71,4	70,6	70,0	62,6	55,9				
AIRFLOW RATIO		400	22,2	56,8	58,6	61,0	62,5	64,0	64,8	66,8	68,2	69,9	69,2	67,3	60,7	52,9				
WF/WM 8,00		500	29,7	54,6	56,6	59,5	61,0	63,2	64,4	66,0	67,1	69,4	67,2	64,0	56,8	49,3				
VEHICLE JENOTS		650	28,1	52,8	55,5	58,1	59,9	61,8	63,4	65,7	66,5	68,0	66,1	62,4	54,4	46,9				
CONFIG JE=059		800	26,3	52,3	54,9	57,8	59,8	61,9	62,5	64,3	65,2	66,1	64,1	59,7	52,1	44,5				
LCC EVENDALE		1000	23,8	51,1	53,5	56,3	58,6	60,7	60,3	62,8	63,3	64,4	61,9	57,0	49,7	42,1				
DATE 05-07-75		1250	20,5	48,9	52,0	54,8	57,4	58,9	58,7	61,3	61,8	62,4	59,7	54,2	46,7	37,9				
BUN DBTF=MODEL 1		1600	16,0	45,3	49,4	52,0	54,9	56,3	57,3	58,7	59,2	59,8	56,6	50,8	43,0	32,6				
TYPE X10480		2000	10,7	40,9	45,3	48,5	52,0	53,1	54,2	55,7	56,2	55,7	53,0	46,7	38,2	27,1				
CAN TIP SPEED		2500	22,9	35,4	39,7	43,8	46,4	48,0	49,8	51,6	52,1	51,0	48,2	41,3	31,9	18,3				
FT/SEC		3120	22,7	29,6	32,4	36,6	39,8	42,1	43,3	45,2	45,4	44,1	40,0	33,8	24,2	6,9				
OVERALL CALCULATED		4000		16,8	21,7	27,3	30,2	33,8	35,6	37,1	36,2	35,0	30,8	24,5	12,9					
PNBS		5000		9,5	15,2	21,3	24,6	26,3	30,0	30,7	29,8	29,4	25,1	20,0	9,9					
		6300			2,0	8,5	13,2	15,2	21,8	21,4	17,5	19,9	15,4							
		8000						0,3	10,6	9,6	4,2	7,4	1,3							
		10000																		
			57,5	71,8	71,8	73,4	74,9	76,4	76,1	80,0	81,3	83,3	84,5	85,9	84,4	81,3				
			66,4	71,7	73,8	76,2	78,2	79,8	81,1	83,1	84,2	85,7	86,0	84,7	80,1	76,2				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, H04, DAY = JENDTS)

		PROC: DATE = MONTH 20 DAY 0 HR: 0:6																PWL			
		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, H04, DAY = JENDTS)																			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0		
		PREQ	(0.22)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
SPL INPUT AT STD		20	81.7	80.7	83.8	82.4	83.4	83.5	86.3	88.3	91.8	105.8	97.3	102.8	104.5	104.4				157.6	
REV. ALPHA 12(73)		33	85.6	84.6	84.6	82.5	83.2	84.1	86.0	88.5	90.2	102.4	96.2	103.6	105.6	102.8				156.7	
NO EGA		50	85.3	85.4	84.9	83.7	84.4	84.5	86.8	88.9	91.9	103.9	98.9	104.1	105.4	105.3				157.7	
RDG. NO. 0		100	86.0	86.7	85.1	85.0	85.5	85.8	87.2	89.9	91.5	105.3	98.0	101.8	102.2	105.5				157.2	
RADIAL 320, FT.		125	86.8	87.9	85.3	85.4	86.0	86.9	88.7	90.3	92.6	106.1	98.7	100.9	101.6	101.9				157.1	
(98, M)		150	84.7	84.7	84.9	85.5	86.0	87.2	90.2	91.2	92.5	105.9	99.8	101.2	100.4	98.9				156.9	
VEHICLE JENDTS		200	83.5	85.7	84.4	85.0	86.3	87.5	88.8	90.5	92.3	104.7	98.3	97.9	97.1	96.2				155.4	
CONFIG JE#059		250	83.8	83.8	83.3	85.9	86.7	87.1	88.3	90.1	92.2	104.9	96.9	97.0	95.1	95.0				155.1	
C.C. EVENDALE		313	82.5	83.5	83.7	83.7	84.6	85.9	87.4	89.6	92.0	104.1	94.7	95.4	92.4	91.2				154.0	
DATE 05-07-75		400	80.8	82.4	82.8	84.0	84.3	85.6	86.3	88.6	90.8	103.4	94.2	93.1	90.8	89.1				153.2	
BLN DBTF-MODEL 1		500	78.9	80.9	81.0	82.6	83.4	84.6	85.9	88.2	90.6	102.7	92.3	90.8	87.3	85.0				152.4	
TAPE X16470		630	78.0	80.0	80.4	81.6	82.5	84.3	85.3	87.5	90.1	102.0	91.5	88.9	85.0	81.8				151.7	
BAR 29.4 HG		800	77.3	79.6	79.6	81.2	82.2	83.8	84.7	86.9	88.8	101.6	89.7	87.2	83.1	79.4				150.7	
(99248, N/42)		1000	76.4	78.9	78.9	80.2	81.7	83.2	83.4	86.1	87.7	99.3	88.3	85.4	81.3	77.5				149.3	
TAMB 59, DEG F		1250	75.1	77.8	78.0	79.6	81.0	81.9	82.6	85.1	86.7	98.0	87.2	83.3	79.0	75.9				148.1	
(288, DEG K)		1600	73.0	76.6	76.7	78.1	79.3	80.3	81.8	83.7	84.9	96.5	85.6	81.8	76.8	74.2				146.8	
WET 51, DEG F		2000	69.8	73.9	74.4	75.4	77.1	78.6	79.7	81.7	83.8	94.4	83.6	80.1	74.9	72.0				145.0	
(283, DEG K)		2500	66.7	70.8	70.7	72.5	74.0	75.2	77.1	78.9	81.0	91.5	80.4	77.7	72.7	70.0				142.4	
WACT 0, GM/M3		3120	63.5	67.9	67.9	69.3	70.3	73.0	73.2	75.9	77.2	88.0	77.0	75.4	72.0	69.7				139.5	
#1 KG/M3		4000	59.2	63.7	63.3	65.0	65.8	69.3	69.9	72.1	73.0	84.2	74.1	73.7	71.3	68.4				136.5	
FREQ. SHIFT		5000	57.0	60.9	60.9	62.2	62.8	65.6	66.8	68.4	69.0	79.3	71.8	73.2	72.4	69.9				133.2	
JET 9		6300	57.1	58.3	57.6	58.9	59.5	63.1	63.6	66.8	65.0	77.7	72.4	75.6	74.2	72.1				133.9	
DIAMETER RATIO		8000	58.3	56.8	56.9	56.6	58.7	63.4	63.4	67.7	63.7	77.9	74.9	78.1	77.1	74.6				137.2	
DE/GM 8.00		10000	59.7	57.3	56.6	55.8	59.3	62.9	63.5	69.4	64.8	79.3	76.7	80.2	79.4	77.1				141.7	
OVERALL CALCULATED		PNEB	59.0	100.6	100.4	101.4	102.5	106.0	105.3	107.3	109.0	115.7	118.1	111.1	111.7	111.7				167.0	
																				1.3	
																				168.3	



538

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, F, 20 PERCENT REL, HUM, DAY)

SPL INPUT AT STU REV, ALPHA 12(79)	FREQ	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
NO EGA	50	51,8	59,1	63,8	63,5	65,2	69,7	68,7	70,5	73,8	86,9	17,2	81,2	80,6	77,1		
BIDELINE 24000 ET?	60	51,8	62,9	64,5	63,5	65,0	68,3	68,3	70,6	71,9	83,3	16,1	82,0	81,6	75,4		
(73, 52 M) -	80	51,8	64,8	64,9	64,9	66,2	67,1	67,8	69,1	71,0	73,6	84,9	78,8	82,3	81,4	77,7	
BFA 0, RPM	125	52,2	65,9	64,9	66,2	67,6	68,9	70,8	72,3	74,2	86,7	18,4	78,9	79,3	73,9		
(0, RAD(SEC)	150	50,2	62,5	64,4	66,2	67,4	69,0	70,2	73,0	73,6	86,6	19,4	79,1	79,9	70,6		
BFK (0, RPM	200	50,7	63,5	63,8	65,5	67,6	69,2	70,7	72,2	73,6	85,8	17,7	75,6	72,3	67,5		
(0, RAD(SEC)	250	50,7	61,8	62,4	66,3	67,9	68,7	70,0	71,7	73,4	85,2	16,1	74,4	70,0	68,8		
BFD (0, RPM	312	52,0	60,6	62,6	63,8	65,5	67,3	69,0	71,0	73,0	84,2	13,6	72,5	68,8	61,4		
(0, RAD(SEC)	400	54,7	59,1	61,3	63,8	65,0	66,7	69,6	69,8	71,8	83,2	12,7	69,8	64,7	59,4		
BIFLOW RATIO	500	52,2	57,1	59,1	62,0	63,7	65,4	68,9	69,0	70,9	82,1	10,5	67,0	60,5	53,3		
WF/HM 0,00	600	50,8	55,5	58,0	60,6	62,4	64,8	65,9	67,9	70,0	81,0	9,1	64,4	57,4	48,9		
	800	50,5	54,3	56,4	59,5	61,5	63,6	64,8	66,8	68,2	79,4	66,6	61,9	54,4	44,7		
VEHICLE JENOTS	1000	56,3	52,6	55,0	57,8	60,3	62,5	62,8	65,3	66,3	76,9	64,4	59,0	51,2	40,9		
SONFIS JES059	1220	53,8	50,3	53,0	56,3	58,9	60,4	61,2	63,6	64,5	74,7	62,2	55,7	47,2	38,7		
LOC EVENDALE	1600	50,8	47,3	50,1	53,5	55,9	57,8	59,3	61,0	61,8	71,8	59,1	52,3	42,5	33,3		
DATE 05-07-73	2000	52,7	42,8	46,0	49,2	52,3	54,6	55,9	57,7	58,9	68,2	55,2	48,4	37,7	26,8		
BUN DBTF=MODEL 1	2500	55,4	35,9	39,7	44,0	47,1	49,2	51,3	52,9	54,1	63,8	49,4	42,8	31,4	19,6		
TARE X10490	3120	55,4	27,9	32,7	37,1	40,0	43,8	44,3	46,7	46,9	55,8	41,7	35,3	23,9	8,2		
MAN YIR SPEED	4000	51,0	16,0	21,7	27,3	30,5	33,3	36,3	38,1	37,7	46,5	32,6	26,0	18,1			
FT/SEC	5000		8,7	15,7	21,5	24,6	26,8	30,5	31,7	30,8	38,4	26,6	21,0	8,4			
	6300			1,5	8,5	12,7	20,2	22,3	21,9	18,2	27,4	16,4	10,4				
	8000						8,1	18,9	10,4	3,7	13,1	2,3					
	10000																
OVERALL CALCULATED		70,1	73,2	74,3	75,7	77,3	78,6	80,4	82,3	83,9	96,6	87,4	89,1	87,7	85,0		
PNDB		69,3	74,0	76,1	78,5	80,5	82,2	83,6	85,6	87,2	98,9	89,0	87,9	84,0	80,1		



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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUS, DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
SPL INPUT AT STU ---		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
BEV, ALPHA 12(78)		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)		
NO EGA		50	81.2	80.5	83.1	81.9	83.2	83.5	84.1	87.8	91.3	105.1	96.3	102.0	103.5	103.1			156.8	
BDG, NO, 0,		80	83.8	83.6	83.8	81.8	82.7	83.6	83.5	88.0	89.9	101.9	96.2	103.1	104.6	102.3			156.1	
BADIAL 320, FT,		100	84.5	84.4	84.9	85.0	85.3	85.3	86.7	89.4	91.3	104.5	97.7	101.0	101.5	104.0			156.7	
(98, M)		125	86.6	82.9	84.3	84.4	85.0	86.4	88.2	90.1	92.1	105.6	97.7	99.9	100.3	100.2			156.4	
VEHICLE JENOTS		150	84.7	83.7	84.4	84.3	85.0	86.4	89.7	89.7	91.7	105.1	98.3	100.5	99.2	97.2			156.3	
PCNFIS JE=059		200	82.3	84.0	83.4	84.2	85.1	86.5	89.8	90.0	91.6	104.5	97.6	97.7	96.1	94.7			154.9	
LCC EVENDALE		250	82.8	82.3	81.8	84.9	86.0	86.3	87.0	89.3	91.5	104.1	95.9	95.7	93.3	92.5			154.2	
DATE 05-07-75		315	81.0	82.0	83.0	82.9	83.3	84.7	86.2	88.9	91.0	103.1	93.5	94.7	90.6	89.0			153.0	
RUN DBTF=MODEL 1		400	80.0	81.1	81.8	83.0	83.3	84.6	85.5	87.9	89.8	102.4	93.2	93.1	88.8	86.6			152.3	
TAPE X10500		500	77.7	79.9	80.5	82.1	82.4	84.1	84.6	87.0	89.3	101.4	91.3	90.1	85.6	83.0			151.2	
BAR 29.4 HG		630	77.5	79.3	79.9	80.8	81.8	83.6	84.8	87.0	88.8	101.5	90.7	88.1	84.2	81.3			151.1	
(99246, N/M2)		800	76.0	79.4	79.6	81.2	81.9	83.3	83.7	86.7	88.3	100.0	88.9	86.5	82.9	81.6			149.8	
TAMB 59, DEG F		1000	75.6	78.7	79.7	80.9	82.2	83.2	83.6	85.8	87.2	98.6	87.6	85.1	81.8	81.3			148.7	
(288, DEG K)		1250	74.3	78.0	78.8	80.8	81.5	82.2	82.3	84.6	86.2	97.5	86.7	84.3	80.5	80.4			147.8	
THET 51, DEG F		1600	72.0	76.8	77.2	79.1	80.3	81.5	81.6	83.7	84.9	96.5	85.4	82.8	79.8	78.4			146.9	
(284, DEG K)		2000	69.3	74.9	75.9	77.2	79.4	79.6	80.2	82.0	83.3	94.4	83.3	81.1	78.1	76.2			145.1	
WACT 0, GM/H3		2500	66.2	71.8	73.0	74.8	75.8	77.0	77.6	79.9	81.0	91.8	81.2	78.7	75.5	74.3			142.8	
4, KB/H3		3150	62.7	69.4	70.2	71.8	72.5	74.0	75.2	76.9	78.2	89.0	77.7	75.9	73.2	72.2			140.5	
FREQ, SHIFT		4000	58.7	65.2	65.8	67.7	68.8	71.1	71.9	73.6	74.0	85.7	75.1	74.0	71.8	70.2			138.0	
JET 9		5000	57.0	62.4	62.9	65.0	65.3	67.3	68.5	69.7	70.3	82.3	72.0	72.0	71.4	70.2			135.2	
DIAMETER RAYIQ		6300	56.9	58.8	60.1	61.6	61.8	63.8	66.6	68.0	66.8	81.2	72.7	73.6	73.2	72.1			135.5	
DE/DM 8+00		8000	58.3	57.0	57.4	58.6	60.4	63.7	67.7	67.7	65.5	82.9	74.2	75.1	75.3	74.6			138.9	
OVERALL CALCULATED		10000	59.7	57.0	56.3	57.3	60.8	67.9	69.0	69.4	65.3	84.8	76.4	77.7	77.7	76.4			143.6	
PNDB			94.1	94.0	94.6	95.0	95.8	96.8	98.3	100.3	102.4	115.0	107.2	110.3	110.7	110.4			166.2	
			98.1	100.4	100.9	101.9	103.2	104.3	105.3	107.2	108.7	120.8	121.9	112.5	111.1	111.1			167.5	



☆ 10 dB TOO HIGH

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 150, DEG, F, 70 PERCENT REL, HUM, DAY

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
REV: ALPHA 12(73)		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
FREQ		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,
NO EGA		50	57,3	58,9	63,0	63,0	64,9	68,7	68,4	70,0	73,1	86,1	76,2	80,4	79,6	75,8		
SIDELINE 2400, FT?		63	59,9	61,9	63,7	62,8	64,5	65,8	67,8	70,1	71,7	83,0	76,1	81,5	80,6	74,9		
(731,52 M)		80	61,0	62,5	64,1	63,7	65,9	66,9	69,1	70,7	73,1	84,4	78,1	81,1	79,6	76,5		
NFA 0, RPM		100	60,3	62,6	64,7	65,9	66,9	67,3	68,9	71,4	72,9	85,4	77,5	79,2	77,3	76,2		
(0, RAD/SEC)		125	62,2	60,9	63,9	65,2	66,6	68,4	70,3	72,1	73,7	86,4	77,4	77,9	76,0	72,1		
BKF 0, RPM		160	60,2	61,5	63,9	65,0	66,4	68,3	71,7	71,5	73,1	85,8	77,9	78,3	74,6	68,8		
(0, RAD/SEC)		200	57,5	61,6	62,8	64,8	66,4	68,2	69,7	71,7	72,9	85,0	76,9	75,4	71,3	66,0		
BFD 0, RPM		250	57,7	59,7	60,9	65,3	67,1	68,0	68,8	70,9	72,6	84,5	75,1	73,2	68,2	63,3		
(0, RAD/SEC)		315	55,5	59,1	61,9	63,1	64,3	66,1	67,7	70,3	72,0	83,2	72,4	71,8	65,1	59,1		
AIRFLOW RATIO		400	53,9	57,8	60,3	62,8	64,0	65,7	66,8	69,0	70,5	82,2	71,7	69,8	62,7	55,9		
WF/WM 8.00		500	50,9	56,1	58,6	61,5	62,7	64,9	65,6	67,8	69,6	80,9	69,5	66,2	58,8	51,3		
800		630	49,9	54,8	57,5	59,8	61,7	64,0	65,4	67,4	68,7	80,5	68,3	63,7	56,6	48,4		
800		800	47,3	54,0	56,4	59,5	61,3	63,8	66,6	67,7	78,4	65,8	61,2	54,1	47,0			
VEHICLE JENOTS		1000	45,5	52,3	55,7	58,5	60,8	62,5	63,1	65,1	65,8	76,2	63,6	58,8	51,7	44,6		
GCNFIG JE059		1250	42,5	50,4	53,8	57,6	59,4	60,6	61,0	63,1	64,0	74,2	61,7	56,7	48,7	41,2		
LCC EVENDALE		1600	37,8	47,3	51,4	54,5	56,9	58,8	59,1	61,0	61,5	71,8	58,8	53,3	45,5	35,6		
DATE 05-07-75		2000	32,2	43,2	47,5	51,0	54,5	58,6	56,4	57,9	58,4	68,2	55,0	49,4	41,0	29,1		
RUN DBTF=MODEL 1		2500	24,9	36,9	42,0	46,3	48,9	51,0	51,8	53,9	54,1	63,3	50,2	43,8	34,2	20,8		
TAPE X10500		3150	14,7	29,4	34,9	39,6	42,3	44,8	46,3	47,7	47,9	56,8	42,5	35,8	25,2	8,7		
CAN TIP SPEED		4000	0,5	17,5	24,2	30,0	33,5	37,1	38,3	39,6	38,7	48,0	33,6	26,2	13,6			
FT/SEC		5000		10,2	17,7	24,1	27,1	30,6	32,2	32,9	32,1	41,4	26,8	19,8	7,4			
6300				4,0	11,3	15,0	20,9	22,3	23,1	19,7	30,9	16,7	8,4					
8000						0,5	8,3	11,1	10,4	5,5	18,1	1,6						
OVERALL BALGULATED		10000	59,4	71,4	73,6	75,0	76,6	78,1	79,8	81,6	83,3	95,3	86,6	88,3	86,5	82,7		
PNDB			58,4	72,8	75,6	78,2	80,2	82,8	83,1	85,1	86,5	98,4	88,2	87,2	82,9	78,6		



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HU, DAY = JENOTS)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANIS)																PHL			
REV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0)	(0)	(0)	(0)
NO EGA	20	81.9	80.0	83.3	82.4	83.4	84.0	86.3	88.6	91.6	105.6	96.8	102.0	104.0	103.1						157.2
REG, NO, 8	30	84.8	83.6	84.1	82.0	83.0	84.1	85.7	88.5	90.2	102.2	95.5	102.6	104.8	101.3						156.0
RADIAL 320, FT.	40	84.6	83.7	83.9	82.7	84.2	84.5	86.6	89.4	91.9	103.2	98.9	102.8	103.6	103.3						156.6
(98, 4) -----	100	84.5	84.7	84.6	85.0	85.0	85.3	86.9	89.6	91.5	105.0	97.7	100.8	100.7	103.5						156.4
VEHICLE JENOTS	125	85.3	84.9	84.0	84.1	85.0	86.4	88.2	90.1	92.6	105.8	98.5	99.7	99.6	99.2						156.4
PCNFJG JENOTS	150	83.7	84.4	83.9	84.3	85.0	86.2	89.2	90.4	91.7	105.4	98.6	99.7	97.9	95.7						155.9
LOC EVENDALE	200	82.0	84.7	83.6	84.5	85.1	86.7	88.3	90.0	91.8	104.9	97.3	96.7	98.1	92.7						154.7
DATE 05-07-75	250	82.8	82.3	82.0	85.4	85.7	86.6	87.3	89.3	91.2	103.9	95.9	95.5	92.8	91.0						154.0
RUN DBTF-MODEL 1	315	81.3	82.5	84.0	83.4	83.6	85.2	86.4	89.1	90.5	103.3	94.2	93.7	90.1	88.2						153.2
TAPE X10510	400	80.0	81.9	83.3	83.2	84.3	85.3	86.0	88.4	89.8	102.4	92.9	92.6	88.6	86.1						152.3
BAR 29.4 HG	500	78.9	81.2	82.2	83.1	83.9	85.1	85.6	88.0	89.8	101.9	91.6	90.8	87.1	84.0						151.7
(99246, N/42) -	630	78.2	80.5	81.6	82.8	83.3	85.1	86.0	88.5	90.3	103.0	92.0	90.6	87.2	85.1						152.7
TAMB 59, DEG F	800	78.0	80.9	82.6	83.4	85.2	86.0	86.2	88.4	89.6	101.7	91.7	90.5	87.9	87.4						151.8
(288, DEG K)	1000	77.4	81.2	82.7	83.4	85.2	86.0	86.1	88.6	89.7	101.3	91.1	90.6	87.8	88.5						151.6
TMET 51, DEG F	1250	76.8	81.3	83.0	83.6	84.8	85.7	86.1	88.6	89.7	101.2	91.0	89.3	87.5	87.4						151.6
(284, DEG K)	1600	74.8	80.3	82.2	83.1	84.5	84.8	85.6	87.2	87.9	100.0	89.6	88.6	86.5	85.4						150.6
WACT 0. GM/M3	2000	72.6	78.6	80.1	81.2	83.4	84.1	84.2	86.0	87.3	98.4	87.6	87.1	84.4	83.7						149.3
(1, KG/M3)	2500	70.0	76.5	77.7	79.3	80.8	81.2	82.4	84.1	85.5	96.8	85.7	84.7	82.2	81.0						147.8
FREQ, SHIFT	3150	66.7	74.7	75.7	76.5	77.5	79.0	79.7	81.7	82.7	93.8	82.2	81.6	79.7	78.2						145.3
JET 9	4000	62.4	70.2	71.5	72.7	73.5	75.8	76.2	78.3	78.7	90.5	79.4	78.0	77.0	75.2						142.7
DIAMETER RATIO	5000	60.0	67.4	68.7	69.7	70.8	71.6	72.5	74.4	75.8	86.3	75.5	75.2	74.9	73.2						139.3
DE/DM 8.00	6300	61.4	64.1	65.3	65.9	68.0	68.8	69.3	71.3	71.3	84.2	73.2	74.4	74.7	73.3						138.2
OVERALL CALCULATED	8000	60.3	61.3	61.4	62.1	67.9	66.9	67.9	68.7	67.7	83.6	73.9	75.6	77.3	75.1						139.8
PNQB	10000	59.9	59.3	57.8	58.8	69.3	67.9	69.0	68.4	66.6	85.1	75.9	77.4	79.4	76.9						143.9
		74.1	95.0	95.6	96.0	97.0	97.9	99.2	101.3	103.1	115.7	107.7	110.1	110.7	109.9						166.7
		99.1	102.8	103.9	104.7	106.3	107.2	107.9	109.9	111.8	123.2	123.4	113.6	112.5	112.1						168.0



☆ 10 dB TOO HIGH

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
REV, ALPHA 12/78		FREQ	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0'	0'	0'
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)
NO EGA		50	58.1	58.4	63.3	63.5	65.2	66.2	68.7	70.8	73.3	86.6	76.7	80.4	80.1	75.8			
SIDELINE 2400' ET		63	60.9	61.9	64.0	63.0	64.7	66.3	68.0	70.6	71.9	83.2	75.4	81.0	80.9	73.9			
[731.52 M]		80	60.5	62.0	63.8	63.7	65.9	66.6	68.9	71.5	73.6	84.2	78.8	81.1	79.6	75.7			
NFA		100	60.3	62.8	64.4	65.9	66.6	67.3	69.1	71.7	73.2	85.9	77.5	78.9	76.5	75.7			
(0' RAD/SEC)		125	61.0	62.9	63.7	65.0	66.6	68.4	70.3	72.1	74.2	86.6	78.1	77.7	75.3	71.1			
NFK		150	61.2	62.3	63.4	65.0	66.4	68.0	71.2	72.3	73.1	86.1	78.1	77.6	73.4	67.3			
(0' RAD/SEC)		200	67.2	62.4	63.0	65.0	66.4	68.5	70.2	71.7	73.1	85.0	76.7	74.4	70.3	64.0			
NFD		250	67.7	65.7	61.2	65.8	66.9	68.2	69.0	70.9	72.4	84.2	75.1	72.9	67.7	61.8			
(0' RAD/SEC)		313	65.7	65.6	62.9	63.6	64.5	66.6	68.0	70.3	71.9	83.4	73.1	70.8	64.6	58.4			
AIRFLOW RATIO		400	63.9	68.6	61.8	63.0	65.0	66.5	67.3	69.5	70.5	82.7	71.5	69.3	62.5	55.4			
WE/WM 8.00		500	62.2	67.4	60.4	62.5	64.2	66.6	68.8	70.1	81.4	69.7	67.0	60.3	52.3				
		630	60.6	66.0	59.2	61.8	63.2	65.5	66.6	68.9	70.2	82.0	69.6	66.2	59.6	52.1			
		800	49.3	55.5	59.4	61.8	64.5	65.9	66.3	68.3	68.9	80.1	68.6	65.2	59.1	52.7			
VEHICLE JENOTS		1000	47.3	54.8	58.7	61.0	63.8	65.2	65.6	67.8	68.1	78.9	67.1	64.3	57.7	51.9			
CONFIG JENOTS		1250	45.0	53.6	58.0	60.3	62.6	64.1	64.7	67.1	67.5	77.9	65.9	61.7	55.7	48.2			
LOC EVENDALE		1600	40.5	50.8	55.6	58.5	61.1	62.1	63.1	64.5	64.5	75.3	63.1	59.1	52.3	42.6			
DATE 0507-75		2000	35.5	46.9	51.8	55.0	58.5	60.1	60.4	61.9	62.4	72.2	59.2	55.4	47.2	36.6			
RUN CBT-MODEL 1		2500	28.7	41.6	46.7	50.8	53.9	55.2	56.6	58.1	58.6	68.3	54.7	49.8	40.9	27.6			
TYPE X10510		3150	28.7	34.6	40.4	44.4	47.3	49.8	50.8	52.5	52.4	61.6	47.0	41.6	31.7	14.7			
PAN TIP SPEED		4000		22.5	30.0	35.0	38.2	41.8	42.6	44.4	43.4	52.8	37.8	30.2	18.9				
FT/SEC		5000		15.2	23.4	28.8	32.6	34.8	36.2	37.7	37.6	45.4	30.3	23.0	10.9				
		6300			9.3	15.5	21.2	23.9	25.1	26.4	24.5	33.9	17.2	9.1					
		8000				8.0	9.6	9.6	11.4	11.4	7.7	18.9	1.3						
		10000										0.2							
OVERALL CALCULATED			59.2	72.0	74.1	75.6	77.2	78.7	80.3	82.3	83.7	95.7	86.9	88.1	84.5	82.1			
PNBB			58.8	74.2	77.5	80.0	82.3	83.8	84.9	86.8	87.6	99.3	89.1	87.7	83.3	78.6			



★ 10 dB TOO HIGH

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SPL INPUT AT STU		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PWL		
REV, ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)			
	20	91.9	90.2	92.3	92.2	93.4	94.2	96.3	98.6	100.8	105.1	107.9	113.0	116.5	112.1				165.9		
NO EGA	93	95.6	95.1	95.3	93.8	94.2	95.9	97.7	100.0	101.4	103.7	107.5	114.9	116.6	114.1				166.8		
REQ, NO, 0	80	97.1	95.9	95.2	93.9	95.2	95.2	97.8	99.9	102.7	105.4	110.2	115.1	118.9	116.5				168.5		
RADIAL 320, FY,	100	96.2	95.9	96.4	96.3	96.8	97.0	98.7	101.4	103.5	107.5	110.0	113.3	114.7	115.5				166.6		
(98, M)	125	97.1	93.9	95.8	95.4	95.5	96.9	99.4	101.3	103.9	107.3	109.7	110.7	113.1	111.2				165.0		
VEHICLE JENOTS	160	95.2	95.2	95.1	95.5	96.5	97.7	100.7	101.4	103.2	107.1	109.8	110.5	109.9	108.2				164.1		
CONFIG JE=059	200	93.0	95.2	94.9	95.7	96.6	98.0	100.0	101.5	103.6	106.7	108.8	108.0	107.1	105.2				162.8		
LCC EVENDALE	250	94.8	94.1	93.8	96.9	97.5	98.1	99.5	101.1	103.7	105.9	107.4	107.2	105.8	104.0				162.0		
DATE 05-07-75	315	93.0	94.5	95.0	94.9	96.3	97.9	99.7	101.4	103.8	105.6	106.2	106.2	104.4	102.0				161.4		
BUN DBTF-MODEL 1	400	92.8	94.6	94.8	96.5	97.3	98.6	99.8	101.6	103.8	105.9	105.7	105.4	104.3	102.9				161.4		
TAPE -X10520	500	92.4	93.9	94.2	96.6	97.9	99.6	100.6	102.4	104.5	106.4	105.5	105.3	104.5	102.3				161.8		
BAR 29.4 HQ	630	93.0	94.0	94.6	96.6	97.8	99.8	101.5	103.5	106.3	107.0	106.7	106.6	105.5	102.8				162.8		
499144, N/42)	800	93.5	95.6	95.3	97.9	99.2	100.7	101.9	104.2	106.6	107.5	107.4	108.2	106.6	103.6				163.7		
TAMB 67, DEG F	1000	94.1	96.6	96.7	98.9	99.9	101.2	102.6	104.8	107.1	108.0	107.8	108.3	106.5	104.0				164.2		
(293, DEG K)	1250	94.5	98.5	98.2	100.0	100.7	101.4	102.3	103.1	107.2	107.9	107.7	107.8	105.2	103.1				164.3		
TWET 56, DEG F	1600	95.2	101.3	101.1	101.6	102.7	102.0	102.5	104.6	105.8	106.9	106.5	106.7	104.2	101.8				164.0		
(286, DEG K)	2000	94.3	100.3	101.1	102.1	103.3	102.6	102.4	103.7	104.2	104.6	104.2	104.5	102.0	100.4				163.1		
WAO 0, GM/M3	2500	90.4	96.0	97.2	100.0	101.5	100.9	100.8	101.1	102.2	102.2	102.4	102.1	100.2	97.7				161.2		
(1, KG/M3)	3150	86.9	93.1	93.9	96.2	97.0	98.5	98.6	98.9	99.9	99.7	98.4	99.3	97.4	94.6				158.8		
FREQ: SHIFT	4000	82.9	89.0	89.8	92.7	93.3	94.8	94.6	96.1	96.0	97.4	96.3	96.2	94.8	90.7				156.3		
JET 9	5000	80.2	86.2	86.7	89.7	90.3	90.9	91.1	92.7	93.3	94.1	93.1	93.2	91.9	88.7				153.5		
DIAMETER RATIO	6300	77.2	82.4	83.1	86.2	86.6	87.4	87.6	88.8	89.1	93.0	90.2	91.5	90.1	86.9				151.9		
DF/DM 8.00	8000	76.5	79.4	80.1	82.5	83.6	83.6	84.3	86.1	87.1	93.0	88.3	90.5	90.2	87.5				152.3		
OVERALL CALCULATED	10000	77.1	76.9	77.2	79.7	81.2	81.8	82.9	84.3	83.7	94.7	88.3	92.1	90.8	88.8				155.4		
PNQB		107.1	109.1	109.4	110.6	111.6	112.2	113.4	115.2	117.2	119.1	120.3	122.7	124.3	122.2				177.1		
		156.4	120.5	121.0	122.5	123.6	123.9	124.4	125.7	127.0	128.4	128.4	129.1	129.9	125.9				178.4		

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA [59' DEG, F, 70 PERCENT REL HUM, DAY]																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT STU		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
BEV, ALPHA 12/79		PREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,
NO EGA		50	68.1	68.6	72.3	73.2	75.2	76.4	78.7	80.8	82.6	86.1	87.0	91.4	92.6	84.8		
SIDELINE 2400' FT,		63	71.6	73.4	75.2	74.8	76.0	78.0	80.0	82.1	83.2	84.7	87.4	93.2	92.6	86.6		
[731.52 M]		80	73.0	74.2	75.1	74.9	76.9	77.4	80.1	82.0	84.4	86.4	90.1	93.3	94.9	89.0		
MFA 0: RPM		100	72.0	74.1	76.2	77.1	78.4	79.1	80.9	83.4	85.2	88.4	89.7	91.4	90.5	87.7		
(0: RAD/SEC)		125	72.7	73.9	75.4	76.2	77.1	78.9	81.5	83.3	85.6	88.1	89.4	88.7	88.8	87.1		
MFK 0: RPM		160	70.7	73.1	74.6	76.2	77.9	79.6	82.7	83.3	84.6	87.8	89.4	88.3	85.4	79.8		
(0: RAD/SEC)		200	68.2	72.9	74.3	76.3	77.9	79.7	81.9	83.2	84.9	87.3	88.2	85.6	82.3	76.5		
MFD 0: RPM		250	69.7	71.5	72.9	77.3	78.6	79.7	81.3	82.7	84.9	86.2	86.6	84.7	80.7	74.8		
(0: RAD/SEC)		315	67.5	71.6	73.9	75.1	77.3	79.3	81.2	82.8	84.7	85.7	85.1	83.3	78.8	72.1		
AIRFLOW RATIO		400	66.7	71.3	73.3	76.3	78.0	79.7	81.1	82.8	84.9	85.7	84.2	82.1	78.2	72.2		
WF/WK 8.00		500	65.7	70.1	72.4	76.0	78.2	80.4	81.6	83.3	84.9	85.9	83.7	81.5	77.8	70.6		
		630	65.4	69.5	72.2	75.6	77.7	80.2	82.1	83.9	86.2	86.0	84.3	82.1	77.9	69.9		
		800	64.8	70.3	72.2	76.3	78.5	80.6	82.0	84.0	85.9	85.8	84.3	82.9	77.8	69.0		
VEHICLE JENOTS		1000	64.0	70.3	72.7	76.5	78.6	80.5	82.0	84.1	85.8	85.7	83.8	82.0	76.4	67.3		
CONFIG JENOTS		1250	62.7	70.8	73.2	76.8	78.6	79.8	80.9	83.5	85.0	84.6	82.6	80.1	73.4	63.9		
LCC EVENDALE		1600	61.0	71.8	74.6	77.0	79.3	79.3	80.0	81.9	82.4	82.3	80.0	77.2	70.0	59.0		
DATE 05-07-75		2000	57.1	68.6	72.7	75.9	78.5	78.5	78.6	79.6	79.4	78.4	75.9	72.8	64.9	53.3		
RUN DBTF=MODEL 1		2500	59.1	61.1	66.2	71.5	74.6	74.9	75.0	75.1	75.3	73.7	71.4	67.2	58.9	44.3		
TAPE X10520		3150	58.9	53.1	58.7	64.1	66.7	69.3	69.8	69.7	69.6	67.9	63.5	59.3	59.4	31.1		
CAN TIP SPEED		4000	24.8	41.2	48.2	55.0	58.0	60.8	61.1	62.1	60.7	59.8	54.8	48.5	36.6	12.1		
FT/SEC		5000	16.2	34.0	41.5	48.8	52.1	54.1	54.8	56.0	55.1	53.2	47.8	41.1	27.9	1.4		
		6300		17.1	27.1	35.9	39.8	42.5	43.4	43.9	42.3	42.7	34.2	26.2	8.9			
		8000			7.5	17.8	23.6	26.2	27.8	28.8	27.1	28.3	15.7	5.1				
OVERALL CALCULATED		10000					2.9	7.1	9.3	9.6	5.5	9.9						
PNDB			81.1	84.1	86.3	88.5	90.3	91.8	93.5	95.2	96.9	98.4	98.9	100.1	99.8	94.1		
			83.4	90.9	93.6	96.8	99.1	100.0	101.0	102.5	103.8	103.9	102.7	101.5	99.4	92.8		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM., DAY = JENQTS)

		PROC. DATE = MONTH 98 DAY 0 HR. 0:6																PHL	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PHL
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PHL
REV, ALPHA 12.75		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PHL
NO EGA		86.14	84.2	86.8	86.4	87.2	88.2	90.1	91.8	94.8	99.3	100.5	106.3	109.0	106.9				159.1
BDG, NO, 0		88.8	88.3	88.6	86.8	88.0	88.9	90.9	93.2	94.4	96.9	101.7	108.9	110.8	106.8				160.6
RADIAL 320, FT.		89.1	88.9	88.9	87.2	88.9	89.0	91.1	93.4	96.7	98.7	104.4	109.3	111.1	107.5				161.4
VEHICLE JENQTS		89.2	88.7	89.4	89.3	89.8	89.8	91.4	94.1	96.5	100.3	104.0	108.3	108.5	108.2				160.4
SCNFIG JE009		89.6	87.9	88.8	88.6	89.0	90.9	98.7	94.3	97.1	100.6	104.0	105.9	105.6	103.2				158.6
LOC EVENDALE		88.0	88.2	88.6	89.3	89.5	91.4	93.4	94.7	96.7	100.6	104.8	106.5	103.2	101.2				158.5
DATE 05-07-75		87.0	88.5	88.1	88.7	89.8	91.5	92.8	94.2	95.8	99.5	102.8	102.7	101.4	98.2				156.4
BLN BTM-MODEL 1		87.8	87.3	87.3	89.6	90.5	90.8	91.8	94.1	96.0	99.1	101.7	101.7	99.6	96.5				155.6
TARE X10530		86.0	87.3	88.2	88.2	88.6	90.2	91.4	93.4	96.0	98.1	99.5	100.2	97.4	93.0				154.2
BAR 29.4 HG		84.8	87.4	88.5	89.2	89.6	90.1	91.3	92.6	95.1	98.4	98.9	98.6	95.8	91.9				153.6
99178, N/42		83.9	86.7	88.2	89.1	89.7	90.8	91.9	93.5	95.1	98.2	97.1	96.6	93.3	90.5				153.0
YAMB 63, DEG F		84.2	87.0	88.1	89.3	89.8	91.8	92.5	95.3	96.6	99.0	98.5	96.9	93.8	91.6				154.0
(290, DEG K)		85.3	88.1	89.3	91.2	91.5	93.0	93.5	95.2	97.6	100.2	99.4	98.0	95.6	93.9				155.1
TNET 53, DEG F		85.4	89.0	90.7	91.2	92.7	94.0	93.9	96.1	98.2	101.1	99.8	99.9	97.3	96.8				156.2
(285, DEG K)		86.6	89.6	91.1	92.6	92.8	94.0	94.6	97.1	99.0	100.8	100.2	100.1	98.5	98.4				156.8
WACT 0, GM/M3		84.8	89.1	90.2	91.7	92.8	93.8	94.4	96.5	98.6	100.5	99.4	99.8	98.3	98.4				156.5
1, KG/M3		84.4	88.7	90.2	91.5	92.9	92.7	93.5	95.5	97.1	99.2	98.4	99.2	98.7	98.8				155.9
FREQ, SHIFT		83.5	89.3	90.8	92.9	92.1	91.1	91.7	93.2	95.3	96.6	96.2	98.2	98.3	97.8				154.8
JET 9		78.3	85.2	86.5	87.1	87.4	88.6	88.8	91.0	92.2	94.1	91.8	93.4	92.3	92.0				151.4
DIAMETER RATIO		74.7	82.1	82.9	84.1	83.9	89.7	86.0	88.2	88.3	90.3	88.9	89.8	89.6	88.2				148.8
DF/DN 8.00		72.0	77.7	79.5	80.8	81.1	81.7	82.4	83.8	85.1	86.7	84.4	85.8	86.2	86.5				145.6
OVERALL CALCULATED		68.7	73.1	75.4	76.4	76.1	77.4	77.9	80.9	81.1	84.0	81.0	83.0	83.1	85.2				143.5
PNBB		68.7	69.1	71.0	72.2	73.3	72.5	74.0	78.8	78.3	83.9	77.8	81.5	81.9	86.2				143.9
		69.7	66.8	68.1	68.2	71.2	70.3	71.6	79.3	76.7	85.2	78.2	81.5	80.7	87.4				146.8
		69.4	100.9	101.9	102.8	103.4	104.3	105.3	107.3	109.4	112.1	113.9	116.7	117.3	114.9				170.1
		108.1	112.0	113.3	114.7	114.7	114.9	115.7	117.8	119.8	121.9	121.7	123.2	122.6	121.6				171.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	0°	0°	0°		
REV: ALPHA 12/73		REG: (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)		
NO EGA		50	62.6	62.6	66.8	67.5	68.9	70.4	72.4	74.0	76.6	80.4	80.5	84.7	85.1	79.6				
SIDELINE 2400 FT		63	64.9	66.7	68.5	67.8	69.7	71.0	72.8	75.4	76.2	78.0	81.6	87.2	86.9	79.4				
-- (731.52 M) --		80	65.0	67.2	68.8	68.2	70.7	71.1	73.4	75.5	78.4	79.7	84.3	87.6	87.1	80.0				
BFA 0. RPM		100	65.0	66.8	69.2	70.1	71.4	71.8	73.6	76.2	78.2	81.1	83.7	86.4	84.3	80.4				
(0. RAD/SEC)		125	65.2	65.9	68.4	69.5	70.6	72.9	74.8	76.3	78.7	81.4	83.6	83.9	81.3	75.1				
BFA 0. RPM		150	63.4	66.0	68.1	70.0	70.9	73.3	75.4	76.5	78.1	81.3	84.4	84.3	78.6	72.8				
(0. RAD/SEC)		200	62.2	66.1	67.5	69.3	71.1	73.2	74.7	76.0	77.1	80.0	82.2	80.4	78.5	69.5				
BFA 0. RPM		250	62.7	64.7	66.4	70.0	71.6	72.5	73.5	75.7	77.1	79.5	80.8	79.2	74.5	67.3				
(0. RAD/SEC)		315	60.5	64.4	67.1	68.3	69.5	71.6	73.0	74.8	77.0	78.2	78.4	77.3	71.8	63.1				
BFA 0. RPM		400	58.7	64.1	67.1	69.0	70.3	71.2	72.6	73.8	75.7	78.2	77.5	75.3	69.7	61.2				
BFA 0. RPM		500	57.2	62.9	66.4	68.6	70.0	71.7	72.9	74.3	75.4	77.6	75.2	72.8	66.6	58.9				
BFA 0. RPM		630	56.6	62.6	65.7	68.4	69.7	72.3	73.1	75.7	76.5	78.0	76.1	72.4	66.1	58.6				
BFA 0. RPM		800	56.6	62.8	66.2	69.6	70.8	72.9	73.5	75.1	77.0	78.6	76.3	72.7	66.9	59.2				
VERICLE JENOTS		1000	55.3	62.6	66.8	68.8	71.4	73.3	73.4	75.4	76.9	78.7	75.9	73.5	67.2	60.2				
LOC EVENDALE		1250	54.8	61.9	66.1	69.3	70.7	72.4	73.3	75.6	76.8	77.5	75.2	72.4	66.7	59.2				
DATE 05-07-75		1600	50.6	59.6	63.7	67.1	69.4	71.1	71.9	73.8	75.3	75.9	72.9	70.4	64.1	55.6				
BUN CBT=MODEL 1		2500	47.3	57.0	61.8	65.3	68.1	68.6	69.7	71.5	72.2	73.0	70.0	67.5	61.5	51.6				
TAPE X18530		3150	40.2	45.2	51.3	54.9	57.1	59.4	59.9	61.8	62.3	61.9	56.6	53.4	44.2	28.5				
CAN TIP SPEED		4000	36.6	34.3	41.3	46.4	48.6	51.7	52.4	54.2	53.0	52.6	47.4	42.1	31.5	9.7				
FT/SEC		5000	8.0	25.6	34.3	39.9	42.9	44.9	46.1	47.0	46.9	45.8	39.1	33.6	22.2					
		6300		7.8	19.4	26.1	29.3	32.5	33.6	36.0	34.3	33.7	25.0	17.7	1.9					
		8000				7.5	13.3	15.2	17.5	21.5	18.3	19.2	5.2							
		10000								4.5		0.3								
OVERALL CALCULATED			73.9	76.8	79.4	81.2	82.8	84.4	85.7	87.5	89.2	91.4	92.8	94.4	92.8	86.6				
PNR			75.2	81.1	84.9	88.2	90.0	91.4	92.5	94.3	95.8	97.1	96.0	95.4	91.9	85.1				

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHI		
SPL INPUT AT STU		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0			
BEV, ALPHA 12274		FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)			
NO EGA		20	83.9	83.0	85.1	84.4	85.2	85.7	88.1	91.1	93.6	98.1	99.5	105.8	107.2	106.4			158.1		
BDG, NO, 0		63	88.3	88.1	87.3	85.3	86.5	86.9	89.0	91.7	93.7	96.4	100.2	108.4	110.1	106.6			160.0		
RADIAL 320, FY.		80	90.1	88.7	87.7	86.9	87.7	87.7	89.6	92.4	94.9	97.2	103.4	108.8	109.1	109.5			160.7		
(98, 4)		100	89.7	90.9	89.6	88.8	89.0	88.8	90.4	93.6	95.0	99.0	103.0	107.3	107.5	109.5			159.8		
VEHICLE JENOTS		125	91.3	91.6	88.5	88.9	89.0	90.2	91.7	93.6	96.1	99.8	103.5	106.4	107.3	107.2			159.3		
CONFIG JE=059		150	90.0	89.2	88.6	88.3	89.7	90.7	92.7	93.9	95.7	99.9	104.6	107.2	107.2	105.2			159.5		
LOC EVENDALE		200	88.0	89.0	87.9	88.2	89.6	91.0	91.8	94.0	95.8	99.8	103.1	104.2	105.1	103.5			157.7		
DATE 05-07-75		250	88.6	86.8	86.3	88.9	89.7	90.6	91.0	93.6	95.7	98.6	101.7	102.7	104.1	102.0			156.6		
RUN CBTF-MODEL 1		315	85.8	86.8	86.7	87.0	87.6	88.9	90.4	93.1	95.5	98.3	99.5	100.7	100.9	98.2			154.7		
TAPE X10510		400	84.6	85.4	86.3	86.5	87.3	88.3	89.8	92.4	94.3	97.6	98.7	99.4	98.6	95.1			153.6		
BAR 29.4 HG		500	82.4	84.0	84.2	85.8	86.7	88.3	88.9	92.0	94.1	96.4	97.1	96.6	94.6	90.3			151.9		
(19212, N/42)		630	81.5	83.5	83.9	84.8	85.8	87.3	88.8	91.8	93.8	96.5	96.0	94.6	90.8	86.8			151.1		
YAMB 63, DEG F		800	80.3	83.9	83.8	84.9	86.7	87.8	88.5	90.4	92.9	95.7	94.7	92.0	88.4	85.6			150.1		
(290, DEG K)		1000	79.7	83.5	83.7	84.9	85.7	87.8	87.9	90.1	92.2	93.8	93.3	90.7	86.3	85.6			149.1		
TWET 53, DEG F		1250	78.6	82.3	83.3	84.4	85.6	86.7	87.3	89.6	91.2	93.0	91.5	87.8	85.3	84.1			148.2		
(285, DEG K)		1600	76.3	81.1	82.2	82.9	84.6	85.8	86.1	88.7	89.9	92.0	90.9	87.1	83.5	82.4			147.3		
WACT 0, GM/M3		2000	74.1	78.7	79.7	81.0	83.4	83.9	84.8	86.8	88.3	89.5	88.4	84.9	81.9	80.0			145.5		
11 KG/M3		2500	70.8	76.1	76.8	78.6	79.9	81.1	81.9	84.2	85.8	87.1	85.7	82.5	79.0	77.3			143.2		
FREQ SHIFT		3150	67.5	73.0	74.2	75.9	76.9	78.1	78.8	81.0	82.5	83.8	82.0	79.7	76.8	75.0			140.5		
JET 9		4000	63.7	68.6	69.9	71.6	72.4	74.7	75.5	77.7	77.8	79.8	78.7	77.0	74.8	72.2			137.5		
DIAMETER RATIO		5000	63.3	66.2	67.2	69.0	69.9	70.2	71.4	73.3	74.1	77.2	74.4	75.5	74.2	72.0			134.8		
DF/DH 8.00		6300	64.2	64.9	65.1	65.7	67.6	67.4	68.9	70.4	69.9	76.5	73.3	76.7	75.6	73.4			135.0		
OVERALL BALQUATED		8000	65.4	65.1	65.3	65.0	68.3	66.5	68.8	69.1	67.0	77.4	74.8	78.7	78.2	76.0			138.0		
PNHB		10000	66.2	65.8	65.6	65.2	69.9	68.3	69.8	70.0	65.9	78.9	76.7	81.0	79.7	77.2			142.8		
			99.0	99.3	98.6	98.9	99.8	100.8	102.0	104.5	106.5	109.6	112.6	116.1	116.8	116.0			168.9		
			103.3	104.8	105.2	105.9	107.5	108.3	109.3	111.6	113.2	115.8	117.0	118.2	117.7	116.6			170.2		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)																
ANGLES FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT STD	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.
REV. ALPHA 12/73	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)
NO EGA	30	60.1	61.4	65.0	65.5	66.9	67.9	70.4	73.3	75.3	79.1	79.5	84.2	83.4	79.1	
SIDELINE 2400 FT	63	84.4	66.4	67.2	66.3	68.2	69.0	71.3	73.9	75.4	77.3	80.1	86.7	86.1	79.1	
(731.52 M)	80	86.0	67.0	67.6	67.9	69.4	69.9	71.9	74.5	76.6	78.2	83.3	87.1	85.1	82.0	
BFA 0. RPM	100	85.5	69.1	69.4	69.6	70.6	70.8	72.6	75.7	76.7	79.9	82.7	85.4	83.3	81.7	
(0. RAD/SEC)	126	87.0	69.7	68.2	69.7	70.6	72.2	73.8	75.6	77.7	80.6	83.1	84.4	83.0	79.1	
BFK 0. RPM	160	85.4	67.0	68.1	69.0	71.2	72.5	74.7	75.8	77.1	80.6	84.1	85.1	82.6	76.8	
(0. RAD/SEC)	200	83.2	66.6	67.3	68.8	70.9	72.7	73.7	75.7	77.1	79.9	82.4	81.9	80.3	74.7	
BFD 0. RPM	250	83.4	64.2	65.4	69.3	70.9	72.2	72.8	75.2	76.9	79.0	80.8	80.2	79.0	72.8	
(0. RAD/SEC)	313	80.2	63.9	65.6	67.1	68.5	70.3	72.0	74.5	76.5	78.4	78.4	77.8	75.3	68.4	
AIRFLOW RATIO	400	88.4	62.1	64.8	66.3	68.0	69.5	71.1	73.5	75.0	77.4	77.2	76.1	72.5	64.4	
WF/W 8.00	500	85.7	60.1	62.4	65.3	67.0	68.2	69.9	72.8	74.3	75.9	75.2	72.8	67.8	58.6	
VEHICLE JENOTS	630	83.9	59.1	61.5	63.9	65.7	67.8	69.4	72.2	73.7	75.5	73.6	70.2	63.1	53.9	
CONFIG JE=059	800	81.6	58.5	60.7	63.3	66.0	67.7	68.5	70.3	72.2	74.1	71.6	66.7	59.6	51.0	
LOC EVENDALE	1000	49.5	57.1	59.8	62.6	64.4	67.0	67.4	69.4	70.9	71.5	69.4	64.3	56.2	48.9	
DATE 05-07-75	1250	86.8	54.7	58.3	61.1	63.4	65.2	66.0	68.1	69.1	69.7	66.5	60.2	53.5	44.9	
RUN DBTF=MODEL 1	1600	82.1	51.6	55.7	58.3	61.2	63.1	63.6	66.0	66.5	67.4	64.4	57.6	49.3	39.6	
TYPE X10540	2000	87.0	47.0	51.3	54.8	58.6	59.9	61.0	62.7	63.5	63.3	60.0	53.2	44.8	32.9	
FAN TIP SPEED	2500	49.5	41.2	45.8	50.1	53.0	55.0	56.2	58.2	58.9	58.6	54.7	47.6	37.7	23.9	
FT/SEC	3120	49.5	33.0	39.0	43.7	46.6	48.9	49.9	51.8	52.3	51.7	46.8	39.7	28.7	11.5	
OVERALL CALCULATED	4000	5.6	20.8	28.3	33.9	37.1	40.7	41.9	43.7	42.5	42.1	37.1	29.3	16.7		
PNGB	5000		14.1	22.0	28.1	31.6	33.4	35.1	36.5	35.9	36.3	29.1	23.4	10.2		
	6300			9.1	15.4	20.8	22.5	24.6	25.5	23.1	26.2	17.2	11.4			
	8000				0.2	8.3	9.2	12.2	11.7	7.1	12.7	2.2				
	10000															
OVERALL CALCULATED		74.3	76.8	77.6	78.9	80.6	82.0	83.4	85.7	87.4	89.8	91.9	94.1	92.5	88.2	
PNGB		73.9	77.9	80.1	82.3	84.4	86.0	87.3	89.7	91.1	93.1	93.8	93.6	90.6	85.5	

ORIGINAL PAGE IS
OF POOR QUALITY

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL		
SPL INPUT AT STU --		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,			
REV: ALPHA 12273		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)			
NO EGA		30	91.9	91.0	92.6	92.7	93.9	94.5	97.1	98.8	101.1	106.6	108.3	113.8	116.7	112.6				166.5	
BCG, NO, 0,		40	95.8	95.8	95.8	94.3	95.2	96.1	98.7	100.7	102.2	105.2	110.0	117.1	118.8	119.1				168.8	
RADIAL 320. FT.		100	98.6	97.4	96.9	94.9	95.7	95.7	98.1	100.4	103.9	106.4	112.9	118.8	120.6	117.0				170.6	
{ 98, M } -		125	98.2	98.9	97.6	97.8	97.3	97.8	99.4	102.4	104.3	108.5	112.5	117.0	118.0	116.2				169.1	
VEHICLE JENOTS		160	99.3	100.1	96.5	96.4	96.3	97.7	99.7	101.8	104.4	108.6	112.5	114.2	115.6	112.7				167.3	
PCNFIG JE#059		200	98.0	97.2	96.4	96.3	97.5	97.9	101.2	101.9	104.2	108.1	112.3	114.7	112.4	108.7				166.5	
LCC EVENDALE		250	94.5	96.5	95.4	96.5	97.1	98.7	100.3	102.2	104.1	108.0	110.6	111.2	109.1	105.5				164.4	
DATE 05-07-75		315	95.1	94.6	94.3	96.6	97.5	98.6	100.0	102.1	104.2	106.9	109.2	110.0	107.6	103.3				163.4	
BLN DBTF=MODEL 1		400	93.8	94.5	95.5	95.2	96.3	97.9	99.7	101.6	104.0	106.3	107.2	107.9	104.6	101.0				162.1	
TAPE X10550-		500	92.8	94.6	95.0	96.2	97.8	98.6	99.8	101.6	104.0	106.4	106.7	106.6	103.3	101.6				161.8	
BAR 29.4 HG		630	92.2	93.4	94.5	96.1	97.9	99.1	100.6	101.9	104.3	105.9	105.5	105.0	103.0	101.0				161.4	
{ 99144, N/42 }		800	93.0	93.7	94.3	96.1	97.5	99.8	101.8	103.3	105.8	107.2	106.4	106.1	104.7	101.8				162.6	
YAMB 67, DEG F		1000	93.3	95.3	95.5	97.4	98.9	100.7	101.7	104.2	106.6	107.2	106.9	106.7	105.9	103.4				163.3	
{ 293, DEG K }		1250	93.6	96.4	96.2	97.9	99.9	101.2	101.9	104.6	106.6	107.8	107.5	108.1	106.0	104.5				163.9	
TNET 56, DEG F		1600	94.5	98.0	97.5	99.3	100.2	101.4	102.3	105.1	107.2	107.7	107.4	108.0	105.7	103.1				164.2	
{ 286, DEG K }		2000	94.7	101.0	100.4	100.8	101.5	101.7	103.0	104.4	105.5	106.9	106.0	106.5	104.2	102.3				163.7	
HACT 0, GM/H3		2500	94.0	100.6	101.1	101.9	102.8	102.3	101.9	103.4	103.9	104.6	104.2	104.8	102.5	100.1				162.9	
{ KG/H3 }		3150	90.4	97.0	97.4	99.7	100.7	100.7	100.3	101.3	102.2	102.2	102.1	102.1	99.9	97.2				161.0	
FREQ, SHIFT		4000	86.7	93.1	93.6	95.5	97.2	98.3	97.6	99.2	99.2	99.7	98.9	99.3	97.9	94.4				158.6	
JET 9		5000	82.4	89.2	89.8	92.2	92.8	94.0	94.6	96.1	95.7	97.2	96.3	96.5	94.0	90.7				156.2	
DIAMETER RATIO		6300	79.7	85.9	87.2	89.2	90.3	90.6	91.1	92.2	92.8	94.4	92.8	93.5	92.2	88.9				153.4	
DP/CM. 8.00		8000	77.9	82.6	83.4	85.9	86.3	86.6	87.9	88.8	89.8	92.7	90.2	91.7	90.1	87.2				151.9	
OVERALL CALCULATED		10000	78.7	79.9	80.6	83.5	83.6	83.8	84.8	85.9	88.6	93.0	88.1	90.8	90.0	87.5				152.6	
PNRB		10000	79.3	77.4	77.7	80.0	82.0	81.6	82.9	83.6	87.5	94.7	88.3	91.8	91.1	88.5				155.6	
			108.0	109.9	109.5	110.4	111.4	112.3	113.4	115.3	117.3	119.6	121.8	125.1	126.0	122.8				178.3	
			116.6	120.9	121.1	122.3	123.2	123.7	124.2	125.7	127.1	128.6	128.8	129.9	128.9	126.1				179.6	

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STU		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0
REV. ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)
NO EGA		80	68.1	69.4	72.5	73.7	75.7	76.7	79.4	81.0	82.8	87.6	88.2	92.2	92.9	85.3	
SIDELINE 2400' FT.		83	71.9	74.2	75.7	75.3	77.0	78.3	81.0	82.9	83.9	86.2	89.9	95.5	94.9	87.6	
-- [731.52 M]		89	74.5	75.7	76.8	75.9	77.4	77.9	80.4	82.5	85.6	87.4	92.8	97.1	96.6	89.5	
MFA 0, RPM		100	74.0	77.1	77.4	78.6	78.9	79.8	81.6	84.4	85.9	89.4	92.2	95.2	93.8	88.4	
(0, RAD/SEC)		125	75.0	78.2	76.2	77.2	77.8	79.7	81.8	83.8	85.9	89.4	92.1	92.2	91.3	84.6	
NFK 0, RPM		190	73.4	75.1	75.9	77.0	78.9	79.8	83.2	83.8	85.6	88.8	91.9	92.6	87.9	80.3	
(0, RAD/SEC)		200	69.7	74.1	74.8	77.0	78.4	80.8	82.2	84.0	85.4	88.5	90.0	88.9	84.3	76.7	
NFD 0, RPM		250	69.9	72.0	73.4	77.0	78.6	80.2	81.8	83.7	85.4	87.2	88.3	87.4	82.5	74.0	
(0, RAD/SEC)		315	68.2	71.6	74.4	75.3	77.3	79.3	81.2	83.0	85.0	86.4	86.1	85.0	79.1	71.1	
AIRFLOW RATIO		400	66.7	71.3	73.6	76.0	78.5	79.7	81.1	82.8	84.7	86.2	85.2	83.3	77.2	70.9	
WF/WB 8.00		500	65.4	69.6	72.6	75.5	78.2	79.9	81.6	82.8	84.6	85.4	83.7	81.2	76.3	69.3	
		630	65.4	69.3	72.0	75.1	77.4	80.2	82.4	83.7	85.7	86.2	84.1	81.6	77.1	68.8	
VEHICLE JENOTS		800	64.5	70.0	72.4	75.8	78.3	80.6	81.7	84.0	85.9	85.6	83.8	81.4	77.1	68.7	
CONFIG JENOTS		1000	63.5	70.0	72.2	75.5	78.6	80.9	81.3	83.8	85.3	85.4	83.6	81.7	75.9	67.8	
LOC EVENDALE		1250	62.7	70.3	72.5	76.0	78.1	79.8	80.9	83.5	85.0	84.4	82.4	80.4	73.9	63.9	
DATE 05-07-75		1600	60.5	71.5	73.8	76.2	78.1	79.0	80.5	81.7	82.2	82.3	79.5	77.0	70.0	59.5	
RUN DBTF*MODEL 1		2000	26.9	68.9	72.7	75.7	78.0	78.2	78.1	79.4	79.1	78.4	75.9	73.1	65.4	53.0	
TARE X10550		2500	49.1	62.1	66.4	71.2	73.8	74.7	74.5	75.3	75.3	73.7	71.1	67.2	58.6	43.8	
RAN TIP SPEED		3150	28.6	53.1	58.4	63.3	67.0	69.0	68.8	69.9	68.9	67.9	63.7	59.3	49.9	30.9	
FT/SEC		4000	24.3	41.5	48.2	54.5	57.5	60.8	61.1	62.1	60.4	59.5	54.8	48.7	35.9	12.1	
		5000	15.7	33.8	42.0	48.3	52.1	53.8	54.8	55.5	54.6	53.5	47.6	41.3	28.2	1.6	
		6300		17.3	27.3	35.6	39.5	41.7	43.6	43.9	43.0	42.4	34.2	26.4	8.9		
		8000			8.0	18.8	23.6	26.5	28.3	28.5	28.6	28.3	15.5	5.4			
OVERALL CALCULATED		10000					3.7	6.8	9.3	8.9	9.2	9.9					
PNR			82.4	85.6	86.8	88.6	90.4	91.9	93.7	95.5	97.2	99.1	100.8	102.9	101.7	94.8	
			84.0	91.1	93.7	96.6	98.8	100.0	101.0	102.5	103.5	104.2	103.7	103.6	100.7	93.2	

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PWL	
REV.	'ALPHA 12(73)	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.14)	(3.29)	(3.49)
NO EGA	20	80.4	87.0	89.8	89.2	89.9	90.7	92.6	95.3	98.1	102.1	104.8	110.3	112.0	110.1					162.6
REG. NO.	40	91.6	91.8	91.8	90.5	91.2	92.1	94.0	96.2	98.4	100.9	105.5	113.1	115.3	110.8					164.9
BADIAL 320, FT.	100	93.5	93.7	93.4	93.5	93.5	93.8	94.9	97.6	99.8	103.8	109.2	113.3	112.5	112.7					164.9
(98, M)	125	94.8	91.9	92.8	92.6	93.3	94.2	95.7	98.1	100.4	104.8	109.5	112.2	111.1	109.4					164.0
VEHICLE JENOTS	160	93.7	92.9	92.6	92.5	93.7	94.2	97.2	98.2	99.9	104.9	109.6	113.5	110.7	105.7					164.3
CONFIG JE=029	200	91.5	92.7	91.9	92.7	94.1	95.0	96.3	98.0	100.1	104.5	108.6	109.7	108.6	103.2					162.2
LCC EVENDALE	220	92.3	90.8	90.5	93.2	94.2	94.3	95.0	97.8	100.2	103.6	107.2	109.2	106.6	100.8					161.2
DATE 05-07-75	315	90.5	91.0	91.2	91.2	91.8	93.7	94.4	97.4	99.5	103.3	104.5	107.4	103.2	97.7					159.5
BUN DBTF=MODEL 1	400	89.3	90.7	91.5	92.2	93.1	94.1	94.8	97.1	99.1	102.4	103.9	105.4	102.3	97.1					158.6
TAPE X10590	500	87.4	89.2	90.5	92.1	92.7	93.6	94.9	97.2	98.8	101.7	102.3	102.6	98.3	94.3					157.2
BAR 29.4 HG	630	87.8	89.8	90.6	92.1	92.5	94.3	95.5	98.0	99.6	102.5	102.0	101.4	98.0	95.4					157.4
(99178, N/M2)	800	87.8	90.6	91.8	93.4	94.7	96.3	96.2	98.7	100.6	102.5	101.9	101.5	99.2	97.7					158.0
TAMB 65, DEG F	1000	89.2	92.0	92.7	94.2	95.7	96.5	96.7	98.9	100.9	103.6	102.1	102.2	100.3	100.6					158.8
(291, DEG K)	1250	89.9	92.3	93.8	95.4	96.6	96.7	97.4	100.4	101.0	103.8	102.8	103.4	101.6	101.9					159.6
YWET 54, DEG F	1600	89.1	92.1	93.2	94.9	96.1	97.1	97.4	100.0	101.4	102.8	101.7	102.4	102.1	102.2					159.4
(285, DEG K)	2000	87.2	91.5	92.5	93.3	95.2	95.8	97.8	99.8	101.2	100.1	101.4	100.4	100.8						158.1
WACT 0, GM/M3	2500	84.8	91.4	91.6	92.6	92.9	93.3	93.7	95.2	97.4	98.4	97.8	98.8	98.3	95.6					156.1
(, KG/M3)	3120	82.6	89.3	90.0	92.1	91.4	91.7	91.5	93.3	94.6	95.4	94.6	95.5	95.6	95.5					154.1
FREQ: SWIFT	4000	77.5	85.1	86.4	88.6	87.9	89.5	88.5	90.0	90.6	92.8	91.7	92.3							

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG. F, 70 PERCENT REL. HUM, DAY)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	0,	0,
BEV. ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
ND EGA		20	64.6	65.4	69.8	70.2	71.7	72.9	74.9	77.5	79.8	83.1	84.7	88.7	88.1	82.8				
SIDELINE 2400, FT?		80	67.6	70.2	71.7	71.5	73.0	74.3	76.3	78.4	80.2	82.0	85.4	91.5	91.4	83.4				
{731.52 M}		100	69.8	71.5	72.3	72.7	73.9	74.6	76.9	78.7	81.4	83.4	89.3	93.3	90.4	85.0				
BFA 0, RPM		125	69.3	71.8	73.2	74.4	75.1	78.8	77.1	79.7	81.4	84.4	89.0	91.4	88.3	84.9				
(0, RAD/SEC)		150	70.5	69.9	72.4	73.5	74.8	76.2	77.8	80.1	81.9	85.6	89.1	90.2	86.8	81.4				
BFA 0, RPM		175	69.2	70.8	72.1	73.2	75.2	76.0	79.2	80.0	81.4	85.6	89.1	91.3	86.1	77.3				
(0, RAD/SEC)		200	66.7	70.4	71.3	73.3	75.4	76.7	78.2	79.7	81.4	85.6	88.0	87.4	83.8	74.5				
BFA 0, RPM		250	67.2	68.3	69.7	73.5	75.4	76.0	76.8	79.4	81.4	84.0	86.3	86.7	81.5	71.5				
(0, RAD/SEC)		313	65.0	68.2	70.1	71.3	72.8	75.1	76.0	78.8	80.5	83.5	83.4	81.5	77.6	67.9				
BFA 0, RPM		400	63.2	67.3	70.1	72.0	73.8	75.2	76.1	78.3	79.7	82.2	82.5	82.1	76.2	66.4				
(0, RAD/SEC)		500	60.7	65.4	68.6	71.6	73.0	74.4	75.9	78.1	79.2	81.2	80.5	78.8	71.6	62.6				
AIR FLOW RATIO		630	60.1	65.3	68.2	71.1	72.5	74.8	76.1	78.5	79.5	81.3	79.6	76.9	70.4	62.4				
WF/KM 8.00		800	59.1	65.3	68.7	71.8	74.0	76.2	76.3	78.6	80.0	80.9	78.8	76.2	70.4	63.0				
VEHICLE JENOTS		1000	59.1	65.6	68.8	71.8	74.4	75.8	76.1	78.1	79.6	81.2	78.2	75.8	70.2	63.9				
SCNFIG JE=05?		1250	58.1	64.7	68.8	72.1	74.4	75.2	76.0	78.9	78.8	80.2	77.7	75.7	69.8	62.7				
LOC EVENDALE		1600	54.9	62.6	66.7	70.3	72.7	73.4	74.9	77.3	78.0	78.2	75.1	72.9	67.8	59.4				
DATE 05-07-75		2000	50.0	59.8	64.1	67.1	70.4	71.1	72.0	73.8	75.0	75.3	71.8	69.7	60.3	53.7				
RUN QTY=MODEL 1		2500	43.5	56.5	60.6	64.1	66.0	67.3	67.9	69.2	70.4	69.9	66.8	63.9	57.0	45.2				
TARE X10500		3120	34.5	49.3	54.8	60.0	61.1	62.4	62.7	64.1	64.3	63.2	59.4	55.4	47.5	32.0				
CAN TIP SPEED		4000	29.4	37.4	44.8	50.9	52.6	55.5	55.0	56.0	55.3	54.9	50.2	44.6	34.7	13.5				
FT/SEC		5000	20.3	28.6	37.1	43.4	45.9	48.7	49.1	50.3	49.4	48.1	43.2	37.4	25.8	2.6				
		6300		10.9	21.9	29.7	33.1	36.3	38.2	39.3	37.4	35.7	30.3	23.2	7.7					
		8000			1.5	11.3	15.6	21.5	23.8	24.5	20.9	20.8	13.2	4.1						
		10000						3.8	7.0	6.1	0.2	0.9								
OVERALL CALCULATED			78.2	80.6	82.7	84.5	86.2	87.5	88.8	91.0	92.5	93.2	97.7	99.9	97.2	91.1				
PNBB			79.7	84.8	87.9	91.0	93.1	94.6	95.5	97.7	98.8	100.3	100.5	101.0	96.2	81.7				

		ANGLES FROM INLET IN DEGRFES (AND RADIANES)																PHL		
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
BEV, ALPHA 12/73		FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,		
NO EGA		50	86.4	85.2	87.6	86.4	86.9	86.2	90.8	93.1	95.6	101.8	103.3	108.0	110.7	108.4				160.9
REG, NO, 0,		53	90.1	90.3	90.1	88.0	88.7	90.1	92.0	94.5	96.4	99.7	104.5	111.6	113.6	108.6				163.2
RADIAL 320, FT,		80	91.8	91.7	90.9	89.2	90.9	90.7	92.8	95.1	97.9	100.9	108.7	113.3	113.6	110.0				164.6
(98, 4)		100	92.7	91.9	92.1	91.8	92.0	92.3	92.9	96.6	98.3	103.0	108.2	112.3	112.7	112.7				164.4
VEHICLE JENOTS		125	93.8	91.9	92.5	91.9	92.0	92.9	94.9	96.8	99.9	104.1	109.2	111.4	111.8	109.7				163.8
CNFIG JE#059		160	93.2	92.4	93.1	92.5	93.0	93.7	96.2	97.4	99.4	104.4	110.1	113.7	111.4	108.4				164.6
LOC EVENDALE		200	92.5	92.5	91.9	92.5	92.8	94.2	95.5	97.5	99.8	103.2	108.6	110.9	110.6	106.5				163.0
DATE 05-07-75		250	93.3	91.6	90.5	92.9	93.2	94.1	95.0	96.8	100.0	103.1	107.2	110.7	109.6	104.8				162.3
RUN CBTF=MODEL 1		315	90.5	90.3	90.7	90.5	91.1	92.4	94.2	96.1	99.5	103.1	105.0	108.9	106.6	101.2				160.5
TAPE X10570-		400	89.1	89.4	89.8	90.2	91.1	92.3	93.3	96.4	98.6	102.9	104.4	107.4	104.1	98.4				159.3
BAR 29.4 HG		500	86.7	87.7	88.2	89.3	90.2	91.8	93.1	95.5	98.1	101.7	102.6	104.6	99.6	94.0				157.3
(99212, N/M2)		630	85.7	88.0	88.1	88.6	89.5	91.3	92.5	95.3	98.6	100.7	101.5	102.6	97.0	91.1				156.3
YAMB 83, DEG F		800	85.3	87.9	88.1	89.7	90.7	92.0	92.5	94.7	97.4	100.2	99.4	99.2	94.1	89.6				154.9
(290, DEG K)		1000	85.4	89.2	89.2	90.2	90.9	92.0	92.4	94.6	96.4	99.8	98.3	96.7	92.1	89.1				154.3
YWET 53, DEG F		1200	85.4	89.6	90.1	91.1	91.3	92.7	92.1	95.1	97.0	99.3	97.5	94.6	90.3	88.1				154.1
(285, DEG K)		1600	82.8	87.4	88.5	89.2	90.3	91.3	91.6	94.0	95.4	99.0	95.6	92.3	88.8	87.2				153.1
WACT 0, GM/M3		2000	80.1	84.2	85.7	86.5	88.2	88.7	89.5	91.3	92.8	96.0	93.6	90.2	86.9	84.8				150.8
(1, KG/M3)		2500	76.8	81.6	82.5	84.1	84.6	85.8	86.7	88.5	90.6	92.6	90.5	88.0	84.8	82.3				148.2
FREQ, SHIFT		3120	73.8	78.2	78.7	80.9	81.1	82.4	83.3	85.0	87.0	88.8	86.8	85.4	83.3	81.2				145.2
JET 9		4000	69.7	73.3	75.1	76.6	76.6	79.2	79.5	82.2	82.6	85.3	83.9	83.8	82.3	79.5				142.7
DIAMETER RATIO		5000	67.2	70.5	72.0	73.0	73.6	73.9	75.4	76.3	78.9	82.2	81.1	83.5	83.2	80.7				140.7
DE/DM 8.00		6300	67.2	67.1	68.4	69.4	70.1	70.4	71.9	76.6	75.1	81.8	82.5	86.2	84.8	83.2				142.4
OVERALL CALCULATED		8000	68.7	65.6	66.8	66.5	69.5	68.0	70.0	77.8	74.8	83.2	84.5	88.2	87.7	85.5				146.2
PNBB		10000	69.7	66.3	65.9	65.7	70.9	68.5	70.6	79.3	76.2	85.2	87.0	90.7	89.7	87.4				151.8
			102.4	102.4	102.6	102.8	103.5	104.4	105.7	108.0	110.4	114.2	117.9	121.5	121.3	119.4				173.5
			107.9	109.4	110.1	110.8	111.7	112.6	118.5	116.0	117.8	121.3	122.5	124.7	123.2	120.3				174.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0° (0)		
		30° (0.52)	40° (0.70)	50° (0.87)	60° (1.05)	70° (1.22)	80° (1.40)	90° (1.57)	100° (1.75)	110° (1.92)	120° (2.09)	130° (2.27)	140° (2.44)	150° (2.62)	160° (2.79)	170° (2.97)	180° (3.14)	0° (0)	0° (0)	0° (0)
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	0	0	0
REV: ALPHA 12/73		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	0	0	0
NO EGA		63	63	67	67	68	70	73	75	77	82	83	86	86	89	89	81			
SIDELINE 24007 FT		80	67	70	70	70	72	72	75	77	79	81	88	91	89	82				
{731.52 M}		100	58	70	71	72	73	74	78	79	83	88	90	88	84					
BFA 0° RPM		125	69	69	72	72	73	74	77	78	81	84	88	89	87	81				
(0° RAD/SEC)		160	68	70	72	73	74	75	78	79	80	85	89	91	86	80				
NFK 0° RPM		200	67	70	71	73	74	76	77	79	81	83	87	88	85	77				
(0° RAD/SEC)		250	68	69	69	73	74	75	78	78	81	83	86	88	84	75				
BFD 0° RPM		313	65	67	69	70	72	73	75	77	80	83	83	86	81	71				
(0° RAD/SEC)		400	62	66	68	70	71	73	74	77	79	82	83	84	78	67				
AIRFLOW RATIO		500	59	63	66	68	70	72	74	76	78	81	80	80	72	58				
WE/WM 8.00		630	58	63	65	67	69	71	73	75	78	79	79	78	67	55				
		800	56	62	65	68	70	71	72	74	76	78	76	73	65	55				
VEHICLE JENOTS		1000	55	62	65	67	69	71	73	75	77	77	74	70	62	52				
CONFIG JE057		1250	53	61	65	67	69	70	73	74	76	76	72	66	58	49				
LCC EVENDALE		1600	48	57	61	64	66	68	69	71	72	74	69	62	54	44				
DATE 05-07-75		2000	53	52	57	60	63	64	65	67	68	69	65	58	49	37				
RUN CBTF=MODEL 1		2500	55	46	51	55	57	59	60	62	63	64	59	53	43	28				
TAPE X18570		3120	25	38	43	48	50	53	54	55	56	56	51	45	35	17				
FAN TIP SPEED		4000	21	25	33	38	41	43	45	47	47	47	42	36	24	0				
FT/SEC		5000	3	18	26	32	35	37	39	41	41	41	35	31	19					
		6300		1	12	19	23	25	27	28	31	31	26	20	3					
		8000				1	9	10	13	14	18	18	11	2						
		10000							4		0									
OVERALL CALCULATED			77	79	81	82	84	85	87	89	91	94	97	99	99	90				
PNBB			78	82	84	86	88	90	91	93	95	98	99	100	95	88				

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL		
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	---	0,	---	0,	---	0,
BEV, ALPHA 12/73		FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)			
NO EGA		50	92.7	91.7	93.6	92.9	94.4	95.0	97.8	99.8	101.6	107.1	110.0	115.5	117.7	115.4				167.7	
REG, NO, 0		83	96.3	96.6	96.1	95.3	95.5	96.6	99.0	101.5	102.7	105.7	111.7	118.9	119.6	115.6				169.9	
RADIAL 320, FT.		100	98.8	98.4	97.7	96.2	96.9	96.7	99.3	101.4	104.4	108.2	115.4	120.8	121.4	117.0				172.0	
{ 98, 4 }		125	98.5	98.7	98.6	98.5	98.5	98.3	100.4	103.4	105.0	110.0	116.0	119.8	119.0	116.7				171.1	
VEHICLE JENOTS		160	99.6	97.1	98.0	97.4	97.8	98.7	101.2	103.1	105.6	110.6	116.5	117.7	116.8	113.2				169.8	
CNFIG JE=059		200	98.0	98.2	98.1	97.8	98.0	99.4	102.4	103.2	105.4	110.6	116.6	118.5	114.4	109.7				169.6	
ECC EVENDALE		250	95.8	97.2	97.2	97.0	98.3	99.2	101.3	103.0	105.6	109.7	114.6	115.7	111.6	106.2				167.5	
DATE 05-07-75		315	97.1	96.8	96.0	97.7	98.7	99.3	100.8	102.8	105.2	108.9	112.9	114.5	109.6	104.0				166.3	
BUN DBTF=MODEL 1		400	96.0	97.3	97.2	96.7	97.3	98.9	100.7	102.4	105.0	108.8	110.7	112.2	106.4	100.7				164.7	
TAPE X10580		500	94.6	96.4	96.8	98.0	98.6	99.3	100.3	102.4	104.6	107.9	109.7	110.1	104.1	101.1				163.7	
BAR 29.4 HG		630	93.2	95.5	95.7	97.1	97.9	99.3	100.9	102.5	104.3	107.2	108.1	107.8	102.8	99.5				162.6	
{ 99144, N/M2 }		800	93.8	95.5	95.6	97.4	98.0	99.8	101.3	103.5	105.6	107.5	107.5	107.1	103.5	101.1				162.9	
YAMB 65, DEG F		1000	94.1	96.6	96.8	98.9	99.7	100.8	102.0	103.9	105.6	107.2	107.2	107.5	105.4	103.4				163.3	
{ 291, DEG K }		1250	94.7	97.0	97.0	99.7	101.2	101.8	101.7	104.1	105.9	107.6	107.6	107.7	105.8	104.8				163.8	
TWET 54, DEG F		1800	95.1	98.1	98.3	100.1	101.3	102.0	102.6	104.9	107.0	107.3	107.5	107.9	105.8	104.4				164.2	
{ 285, DEG K }		2000	95.3	99.9	99.5	100.9	101.8	101.8	102.9	104.7	105.2	106.8	106.4	106.9	104.6	102.7				163.8	
WACT 0, GM/M3		2500	94.4	100.5	100.5	101.0	101.9	101.7	102.1	103.8	104.3	104.2	104.6	105.4	102.9	101.0				162.9	
{ 1, KG/M3 }		3120	91.1	96.9	97.1	99.9	100.4	99.6	99.7	101.2	101.9	101.9	102.0	102.8	100.3	98.4				160.8	
FREQ, SHIFT		4000	87.3	93.3	93.8	95.6	97.4	97.7	97.0	98.6	98.8	99.9	99.1	100.0	98.1	95.5				158.5	
JET 9		5000	83.3	89.1	89.6	91.6	92.4	94.2	94.0	95.2	95.4	96.6	96.0	96.8	94.9	91.5				155.8	
DIAMETER RATIO		6300	80.3	86.3	86.5	89.3	89.4	89.7	90.4	91.3	92.4	94.0	92.2	93.6	92.0	89.3				153.0	
PF/CM 8.00		8000	78.2	82.2	82.9	85.0	85.6	86.2	86.7	88.1	88.4	92.8	89.8	91.3	90.4	86.7				151.4	
OVERALL BALANCE		10000	78.0	79.2	79.8	81.8	82.8	82.6	83.6	85.1	85.6	93.0	88.3	90.8	90.2	86.5				152.0	
PNDB		108.7	110.2	110.2	111.1	112.0	112.5	113.8	115.7	117.6	120.7	124.7	127.7	126.9	123.2					179.9	
		127.2	121.1	121.2	122.5	123.3	123.4	124.2	125.9	127.1	129.6	130.1	131.5	129.6	126.5					181.2	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59: DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,
BEV: ALPHA 12/73		FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)
NO EGA		20	68.8	70.1	73.5	74.0	76.2	77.2	80.2	82.0	83.3	88.1	90.0	93.9	93.9	86.1	
SIDELINE 2400/ ET		30	72.4	74.9	76.0	76.3	77.2	78.8	81.3	83.6	84.4	86.7	91.6	97.2	95.6	88.1	
- (731.52 M)		80	74.8	76.7	77.6	77.2	78.7	78.9	81.6	83.5	86.1	89.2	95.3	99.1	97.4	89.5	
NFA 0, RPM		100	74.3	76.8	78.4	79.4	80.1	80.3	82.6	85.4	86.7	90.9	95.7	97.9	94.8	88.9	
(0, RAD/SEC)		120	75.2	75.2	77.7	78.2	79.3	80.7	83.3	85.1	87.2	91.4	96.1	95.7	92.5	85.1	
BPK 0, RPM		160	73.4	76.0	77.6	78.5	79.4	81.3	84.4	85.0	86.9	91.3	96.1	96.3	89.9	81.3	
(0, RAD/SEC)		200	71.0	75.4	76.5	77.5	79.6	81.0	83.2	84.7	86.9	90.3	94.0	93.4	86.8	77.5	
NFD 0, RPM		250	72.0	74.3	75.2	78.0	79.9	81.0	82.5	84.4	86.4	89.2	92.1	91.9	84.5	74.8	
(0, RAD/SEC)		310	70.5	74.4	76.1	76.8	78.3	80.3	82.2	83.8	86.0	89.0	89.6	89.3	80.8	70.9	
AIRFLOW RATIO		400	68.4	73.1	75.3	77.8	79.3	80.5	81.6	83.5	85.2	87.7	88.2	86.8	78.0	70.4	
WE/MM 8.00		500	66.4	71.6	73.9	76.6	78.2	80.2	81.9	83.3	84.7	86.7	86.2	84.0	76.1	67.9	
		630	66.1	71.1	73.2	76.4	78.0	80.3	81.9	84.0	85.5	86.5	85.1	82.7	75.9	68.2	
		800	65.3	71.3	73.7	77.3	79.0	80.7	82.0	83.8	85.0	85.6	84.1	82.2	76.6	68.8	
VEHICLE JENOTS		1000	64.6	70.6	73.0	77.3	79.9	81.0	81.1	83.4	84.6	85.2	83.7	81.3	75.7	68.2	
RCNFIG JE#059		1250	63.3	70.4	73.3	76.9	79.2	80.4	81.3	83.4	84.8	84.0	82.5	80.2	74.0	65.2	
LCC EVENDALE		1600	61.1	70.4	72.9	76.3	78.5	79.1	80.4	82.0	81.8	82.2	79.9	77.4	70.3	59.9	
DATE 05-07-75		2000	57.3	68.8	72.1	74.8	77.1	77.6	78.3	79.8	79.5	78.1	76.3	73.7	65.8	53.9	
RUN DBT-MODEL 1		2500	49.8	62.0	66.1	71.4	73.5	73.6	73.9	75.2	74.9	73.4	71.0	67.9	59.0	44.9	
TAPE X10580		3150	39.3	53.3	58.6	63.5	67.1	68.4	68.2	69.3	68.5	67.7	63.9	59.9	50.0	32.0	
FAN TIP SPEED		4000	25.1	41.4	48.1	53.9	57.1	60.2	60.5	61.2	60.1	58.9	54.4	49.1	36.7	13.0	
FT/SEC		5000	16.3	34.1	41.3	48.4	51.2	52.9	54.1	54.6	54.2	53.1	46.9	41.4	28.0	2.0	
		6300		16.9	26.9	34.7	38.8	41.3	42.4	43.3	41.6	42.2	33.8	26.0	9.2		
		8000			7.2	17.0	22.9	25.2	27.0	27.8	25.6	28.3	15.7	5.4			
		10000					3.4	5.8	9.0	8.6	4.4	10.1					
OVERALL AVERAGE			83.1	86.0	87.9	89.6	91.2	92.5	94.3	96.1	97.7	100.5	104.0	105.6	102.7	95.2	
PNRB			85.2	91.2	94.1	96.8	98.9	99.9	101.1	102.8	103.8	104.8	106.4	106.2	101.5	93.6	

PROC. DATE = MONTH 12 DAY 0 HR. 0:0
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.			
REV. ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)			
NO EGA		50	92.2	90.5	91.8	91.9	92.9	93.5	95.8	97.8	100.3	105.1	107.8	113.5	115.7	112.4	165.8			
BDG. NO. 0.		53	95.1	95.3	94.8	93.3	94.0	95.1	96.7	99.2	101.4	104.4	109.7	117.4	118.6	114.3	168.6			
RADIAL 320. FT.		80	97.8	97.7	96.2	94.9	93.7	95.2	97.6	99.6	102.4	105.9	114.2	119.1	119.1	115.0	170.1			
{ 98. M }		100	97.2	97.7	97.4	96.8	97.0	96.8	97.9	101.4	103.3	108.0	114.7	118.0	117.5	115.2	169.3			
VEHICLE JENOTS		125	97.8	99.6	96.5	96.4	96.3	97.2	98.9	101.3	104.1	109.1	115.0	116.7	114.6	112.4	168.4			
SCNFIG JE=059		160	97.5	97.4	96.6	96.5	97.0	97.9	100.2	101.7	103.7	109.4	116.1	118.7	113.9	108.4	169.3			
LOC EVENDALE		200	95.5	97.5	95.9	97.0	97.1	98.2	99.8	102.0	104.3	108.8	114.6	115.5	111.6	105.8	167.2			
DATE 05-07-75		250	96.6	95.3	94.5	96.7	97.2	97.8	98.8	101.3	104.2	108.1	112.4	114.5	110.1	103.8	165.9			
RUN DBTF=MODEL 1		315	96.0	96.5	96.2	95.2	95.8	97.4	98.4	101.4	104.0	107.8	111.0	113.2	108.2	100.2	164.7			
TAPE X10590		400	94.8	95.9	96.3	96.7	96.6	97.1	98.3	100.4	102.8	106.9	109.9	110.9	104.1	99.1	163.3			
BAR 29.4 HG		500	93.2	95.5	95.2	96.3	96.9	98.1	98.4	100.5	103.6	105.9	108.6	107.8	100.8	97.0	162.0			
{ 99178. N/M2 }		630	92.8	95.3	95.1	97.1	97.0	98.1	99.5	101.8	103.3	105.8	107.5	106.1	100.5	97.4	161.6			
TAMB 65. DEG F		800	92.6	95.9	96.3	98.2	98.2	98.5	99.0	101.9	103.4	105.2	105.9	104.8	101.4	99.4	161.2			
{ 291. DEG K }		1000	92.7	96.5	96.2	98.9	100.0	100.3	99.4	101.9	104.7	105.6	105.4	105.2	103.6	102.3	161.8			
TWET 54. DEG F		1250	92.4	96.1	97.8	99.9	100.6	101.7	100.1	102.7	104.3	105.5	105.8	105.4	103.8	103.9	162.4			
{ 285. DEG K }		1600	91.6	95.6	96.0	97.7	99.1	100.1	100.6	102.5	103.7	104.3	103.9	104.9	103.6	103.0	161.6			
WACT 0. GM/M3		2000	89.9	95.0	95.5	96.5	98.2	98.5	99.1	101.1	102.8	102.5	102.6	103.4	101.9	101.3	160.5			
{ 1. KG/M3 }		2500	87.8	94.1	95.1	95.6	96.4	96.3	96.7	98.5	99.9	100.4	100.0	100.5	99.6	98.9	158.5			
FREQ. SHIFT		3120	85.1	91.3	92.5	94.1	94.4	94.3	94.5	96.1	97.6	98.1	96.6	98.2	97.1	95.3	156.5			
JET 9		4000	80.3	86.6	87.1	89.6	90.4	92.5	91.5	93.0	93.4	94.6	93.7	95.1	94.1	91.5	153.8			
DIAMETER RATIO		5000	78.1	83.3	84.5	86.6	87.1	87.4	87.6	89.3	90.7	92.2	90.2	91.3	91.0	89.8	151.0			
DE/DM 8.00		6300	76.5	80.4	81.4	83.2	83.9	84.4	84.5	86.6	86.7	91.3	87.8	90.5	89.9	87.7	150.0			
OVERALL BALQU		8000	78.0	77.4	78.8	80.5	81.6	81.3	82.1	83.9	84.4	92.2	87.1	89.8	89.7	87.5	151.2			
LATER		10000	78.5	76.4	76.9	78.2	80.7	79.3	81.6	82.3	80.7	94.0	87.8	91.5	90.5	87.7	154.5			
PNBB		107.5	109.0	108.6	109.5	110.1	110.8	111.5	113.8	116.0	119.2	123.8	126.7	125.4	121.8	178.6	179.9			
		114.7	118.3	118.9	119.9	120.6	121.1	121.6	123.7	125.5	127.2	129.0	130.7	128.1	124.7	179.9				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0, 0, 0				
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	0,	0,	0,		
REV. ALPHA 12/73		FREQ. (0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(2,96)	(3,14)	(0,	(0,	(0,		
NO EGA		50	68,3	68,9	71,8	73,0	74,7	75,7	78,2	80,0	82,1	84,3	87,7	91,9	91,9	85,1						
SIDELINE 2400, FT		80	71,1	73,7	74,7	74,3	75,7	77,3	79,6	81,4	83,2	85,5	89,6	95,7	94,6	86,9						
(731,52 M)		100	73,8	76,0	76,1	75,9	77,4	77,4	79,9	81,7	84,1	86,9	94,1	97,3	95,1	87,5						
NFA 0, RPM		125	73,0	75,8	77,2	77,6	78,6	78,8	80,1	83,4	84,8	88,9	94,5	96,2	93,3	87,4						
(0, RAD/SEC)		150	72,9	75,3	76,1	77,2	78,4	79,8	82,2	83,5	85,1	90,1	95,6	96,6	89,4	80,1						
NFK 0, RPM		200	70,7	75,1	75,3	77,5	78,4	80,0	81,7	83,7	85,6	89,0	94,0	93,1	86,8	76,7						
(0, RAD/SEC)		220	71,5	72,8	73,7	77,0	78,4	79,5	80,5	82,9	85,4	88,5	91,6	91,9	85,0	74,5						
NFD 0, RPM		315	70,5	73,7	75,1	75,3	76,8	78,8	80,0	82,8	85,0	87,7	89,9	90,3	80,6	70,4						
(-- 0, RAD/SEC)		400	68,7	72,6	74,8	76,5	77,3	78,2	79,6	81,5	83,5	86,7	88,5	87,6	78,0	68,4						
AIRFLOW RATIO		500	66,4	71,6	73,4	75,8	77,2	78,9	79,4	81,3	83,9	85,4	86,7	84,0	74,1	65,4						
WF/KM 8,00		630	65,1	70,8	72,7	76,1	77,0	78,5	80,1	82,2	83,3	84,8	85,1	81,7	72,9	64,4						
		800	63,8	70,6	73,2	76,6	77,5	78,4	79,6	81,8	82,7	83,6	82,8	79,4	72,6	64,8						
VEHICLE JENOTS		1000	62,6	70,1	72,3	76,6	78,6	79,5	78,9	81,1	83,4	83,2	81,4	78,8	72,5	65,7						
CONFIG JE-079		1250	60,6	68,4	72,8	76,6	78,4	80,2	78,8	81,1	82,1	82,2	80,7	77,7	72,0	64,7						
LCC EVENDALE		1600	57,4	66,1	69,4	73,1	75,7	77,4	78,2	79,8	80,3	79,7	77,4	75,4	69,3	60,1						
DATE 05-07-75		2000	52,8	63,3	67,1	70,3	73,4	74,4	75,3	77,0	78,0	76,3	74,3	71,7	64,8	54,2						
RUN LBTF=MODEL 1		2500	46,5	59,2	64,1	67,1	69,5	70,3	70,9	72,5	72,9	71,9	69,0	65,6	58,3	45,4						
TAPE X10590		3120	37,0	51,3	57,3	62,0	64,1	65,7	65,2	66,8	67,3	65,9	61,4	58,2	49,0	31,8						
CAN TIP SPEED		4000	22,1	38,9	45,6	51,9	55,1	58,5	58,0	59,0	58,1	56,9	52,2	47,4	36,0	13,0						
FT/SEC		5000	14,1	31,1	39,3	45,7	48,9	50,7	51,4	52,6	52,4	51,3	44,9	39,2	27,0	2,5						
		6300		15,1	25,4	32,9	37,1	39,5	40,2	41,8	39,9	41,0	31,8	25,2	8,7							
		8000			6,2	15,8	21,6	24,0	25,5	26,3	24,4	27,5	14,5	4,4								
		10000					2,4	4,6	8,0	7,6	2,4	9,1										
OVERALL CALCULATED			82,1	85,5	86,6	88,4	89,7	90,9	92,1	94,3	96,1	99,0	103,1	104,5	101,1	93,8						
PNBB			84,0	89,1	91,5	94,5	96,5	98,0	98,8	100,7	101,9	103,3	105,6	105,6	99,9	92,2						

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL		
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.			
REV, ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)			
NO EGA		20	89.2	87.7	89.8	89.7	90.4	91.0	93.3	95.8	98.8	103.3	105.8	111.3	113.2	110.6				163.6	
RDG, NO, 0,		63	93.1	93.1	92.6	90.8	91.7	92.9	94.7	97.5	98.9	102.2	107.7	115.4	116.6	112.1				166.5	
RADIAL 320, FT.		40	95.6	95.4	94.2	93.7	94.2	94.0	95.6	97.9	100.7	104.4	112.2	117.1	116.1	113.3				167.9	
{ 98, M }		100	96.7	95.9	95.1	95.8	95.5	95.0	96.4	99.6	101.8	106.0	112.5	116.3	115.7	115.5				167.9	
VEHICLE JENOTS		125	98.6	95.1	95.8	95.1	95.3	96.2	97.9	99.8	102.6	107.3	114.0	115.9	114.8	113.2				167.7	
CONFIG JE 059		160	97.5	97.2	96.6	96.0	97.0	97.7	99.2	100.7	102.4	107.9	115.6	119.0	115.4	110.9				169.4	
LCC EVENDALE		200	96.5	97.0	96.1	96.2	96.8	97.7	98.5	101.0	103.1	107.7	114.1	116.7	113.6	108.7				167.7	
DATE 05-07-75		250	97.8	96.3	95.0	96.6	97.2	97.8	97.8	100.8	103.5	107.1	112.9	116.2	113.1	107.5				167.1	
BLN DBTF=MODEL 1		315	96.8	96.8	95.7	94.7	95.6	96.4	97.7	100.6	103.5	107.1	111.2	115.2	109.9	105.0				165.7	
TAPE X10600		400	96.3	96.4	96.3	96.2	96.1	96.3	97.0	99.9	102.6	106.9	110.2	113.4	108.3	101.9				164.9	
BAR 29.4 HG		500	94.2	95.7	95.2	95.3	96.2	96.8	96.9	99.5	102.3	105.9	108.6	110.3	103.8	98.8				162.5	
199178, N/M2)		630	93.7	96.0	95.6	95.8	95.5	96.3	97.3	99.5	102.3	105.7	107.7	109.1	101.8	96.6				161.9	
YAMB 63, DEG F		800	92.1	94.9	95.1	96.7	97.2	97.3	97.2	98.7	101.6	104.2	105.9	106.2	99.4	95.1				160.4	
(290, DEG K)		1000	90.7	95.2	95.2	96.7	97.7	98.3	97.4	99.9	100.9	103.8	104.3	104.2	98.1	94.6				159.8	
THET 53, DEG F		1220	89.9	93.8	94.8	96.1	97.6	98.2	97.1	100.4	101.2	103.3	102.7	102.1	96.0	93.4				159.2	
(285, DEG K)		1600	88.1	92.6	93.2	94.2	95.6	96.6	96.9	99.0	100.4	102.7	100.6	99.8	94.0	91.4				158.0	
WACT 0, GM/M3		2000	84.9	89.7	90.4	92.0	93.9	94.2	94.3	97.0	99.1	100.5	98.6	97.2	91.7	89.0				156.1	
KG/M3)		2500	81.5	86.8	87.5	89.1	90.4	91.1	91.7	93.7	95.8	97.3	95.7	94.7	88.8	86.6				153.4	
FREQ, SHIFT		3120	78.5	83.7	84.5	86.1	87.1	87.9	89.0	90.8	92.0	94.3	91.8	92.2	86.5	84.0				150.7	
JET 9		4000	75.0	79.1	80.1	81.8	82.9	84.7	85.2	86.7	87.8	91.3	88.4	89.0	84.3	81.5				147.9	
DIAMETER RATIO		5000	74.5	76.2	77.7	79.0	79.9	79.9	81.4	83.3	84.1	87.7	84.9	87.0	84.0	82.0				145.2	
DE/DH-8.00		6300	75.2	74.9	75.1	76.2	78.1	77.9	78.9	79.4	80.6	87.0	84.3	88.0	85.6	83.4				145.5	
OVERALL CALCULATED		8000	77.4	75.4	75.5	76.0	78.3	77.3	79.0	78.3	77.8	87.9	85.3	89.7	87.7	83.7				148.4	
PNBB		10000	99.0	75.6	75.9	76.2	80.2	78.5	79.8	79.0	76.4	90.2	87.7	92.0	90.0	87.7				153.0	
			107.3	107.6	107.3	107.6	108.3	108.9	109.5	111.9	114.2	117.9	123.0	126.4	124.4	121.4				177.7	
			113.3	115.0	115.2	116.0	117.2	117.7	118.2	120.4	122.4	125.4	127.7	130.1	126.6	123.3				179.0	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F. 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)
SPL INPUT AT STU	BEV, ALPHA 12/75	50	65.3	66.1	69.8	70.7	72.2	73.2	75.7	78.0	80.6	84.4	85.7	89.7	89.4	83.3	
	NO EGA	63	69.1	71.4	72.5	71.8	73.5	75.0	77.6	79.6	80.7	83.2	87.6	93.7	92.6	84.6	
BIDELINE 2400v ET?	(731.52 M)	80	71.5	73.7	74.1	74.7	75.9	76.1	77.9	80.0	82.4	85.4	92.1	95.3	92.1	85.7	
		100	72.5	74.1	74.9	76.6	77.1	77.1	78.6	81.7	83.4	86.9	92.2	94.4	91.5	87.7	
BFA	0, RPM	125	74.2	73.2	75.4	76.0	76.8	78.2	80.0	81.8	84.2	88.4	93.6	93.9	90.5	85.1	
	0, RAD/SEC	150	72.9	75.0	76.1	76.7	78.4	79.5	81.2	82.5	83.9	88.6	95.1	96.0	90.9	82.6	
BFK	0, RPM	200	71.7	74.6	75.5	76.8	78.1	79.5	80.4	82.7	84.4	88.3	93.4	94.4	88.8	80.0	
	0, RAD/SEC	250	72.7	73.7	74.2	77.0	78.4	79.5	82.4	84.6	87.9	92.1	93.7	88.0	78.3		
BFD	0, RPM	315	71.2	73.9	74.6	74.8	76.5	77.8	79.2	82.0	84.5	87.2	90.1	92.3	84.3	75.1	
	0, RAD/SEC	400	70.2	73.1	74.8	76.0	76.8	77.5	78.3	81.0	83.2	86.7	88.7	90.1	82.2	71.2	
BIRFLOW RATIO	WF/KM 8.00	500	67.4	71.9	73.4	74.8	76.5	77.7	77.9	80.3	82.7	85.4	86.7	86.5	77.1	67.1	
		630	66.1	71.6	73.2	74.9	75.5	76.8	77.9	80.0	82.2	84.8	85.3	84.7	74.1	63.6	
		800	63.3	69.5	72.0	75.1	76.5	77.2	77.3	78.6	81.0	82.6	82.8	80.9	70.6	60.5	
VEHICLE	JENOTS	1000	60.5	68.8	71.3	74.3	76.4	77.5	76.9	79.1	79.6	81.5	80.4	77.8	68.0	57.9	
SCNFIG	JE#059	1250	58.1	66.2	69.8	72.8	75.4	76.7	75.8	78.8	79.1	80.0	77.7	74.4	64.2	54.2	
LOC	EVENDALE	1600	53.8	63.1	66.7	69.6	72.2	73.9	74.4	76.3	77.0	78.1	74.1	70.4	59.8	48.6	
DATE	05-07-75	2000	47.8	58.0	62.1	65.8	69.1	70.1	70.5	73.0	74.2	74.3	70.3	65.5	54.5	41.9	
BUN	DBTF=MODEL 1	2500	40.2	51.9	56.6	60.6	63.5	65.0	65.9	67.7	68.9	68.8	64.7	59.8	47.5	33.2	
TAPE	X10600	3150	30.5	43.7	49.3	53.9	58.6	60.1	61.5	61.8	62.2	56.6	52.2	38.5	20.5		
FAN TIP SPEED		4000	26.9	31.3	38.6	44.1	47.6	50.7	51.7	52.7	52.5	53.6	46.9	41.3	26.2	2.9	
	FT/SEC	5000	20.5	24.1	32.5	38.1	41.6	43.1	45.1	46.5	45.9	47.0	39.6	34.9	20.0		
		6300		2.6	19.1	25.2	31.3	33.0	34.6	34.5	33.8	36.7	28.2	22.7	4.4		
		8000			2.9	11.2	18.3	20.2	28.5	21.0	17.8	23.2	12.7	4.3			
		10000					1.9	3.8	6.2	4.3		5.3					
OVERALL BALCHLATER			82.1	84.3	85.7	87.1	88.5	89.5	90.5	92.8	94.7	97.8	102.2	104.1	100.0	93.4	
	PNBB		84.0	87.9	90.0	91.9	93.8	95.1	95.9	98.0	99.5	102.3	104.7	105.4	99.2	91.9	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL HUM, DAY 2: JENOTS)

SPL INPUT AT STD	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	0'	0'	0'	PWL
REV. ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	87.7	85.5	91.3	88.7	90.2	90.3	82.1	94.3	96.1	100.1	101.0	106.3	110.7	105.9			160.0
RDG NO	63	88.8	89.1	90.6	89.5	90.2	91.9	84.5	95.0	97.4	99.2	103.0	107.9	108.3	105.3			159.7
RADIAL 320 FT	80	90.3	90.2	91.2	90.0	90.7	91.8	83.6	95.9	98.2	101.5	105.2	107.3	109.2	107.1			160.6
(98, R)	100	90.0	90.9	91.4	92.0	93.3	93.0	84.7	97.6	99.0	101.5	105.0	106.8	106.5	104.5			159.8
VEHICLE JENOTS	125	92.1	90.6	92.3	91.4	92.5	94.2	85.9	97.6	99.9	104.1	105.7	106.4	105.9	101.2			160.0
CONFIG JENOTS	160	91.0	91.7	92.1	92.8	93.5	94.7	86.4	98.2	99.9	104.4	106.4	106.5	104.4	100.7			160.1
LOC EVENDALE	200	90.8	92.2	92.2	93.5	94.3	95.5	86.8	98.5	100.6	103.8	105.3	106.0	102.9	99.7			159.6
DATE 05-09-75	250	92.1	91.8	91.8	94.7	95.7	96.4	87.3	99.3	101.2	104.1	104.9	105.5	103.6	100.3			159.8
RUN DBT-MODEL 1	315	91.3	92.6	93.8	93.5	94.4	95.7	87.5	99.4	102.3	104.6	104.5	105.5	104.2	100.0			159.9
TAPE X10700	400	91.9	93.5	93.8	95.3	96.1	97.4	87.6	99.9	102.6	105.7	105.2	105.7	104.6	101.9			160.7
BAR 29.4 HG	500	91.3	92.5	93.5	95.4	96.3	98.9	89.2	101.3	103.4	105.7	105.4	105.9	104.9	102.1			161.2
(99246, N/M2)	630	92.1	93.1	94.0	95.9	97.4	99.2	90.4	103.4	105.7	107.1	106.3	107.0	106.4	102.9			162.5
TAMB 78 DEG F	800	92.9	94.0	95.2	96.8	99.2	100.6	91.6	104.8	106.0	107.6	107.3	107.9	106.8	103.5			163.4
(299, DEG K)	1000	93.1	95.1	96.7	97.6	99.6	101.7	92.1	104.3	106.1	108.0	108.0	108.3	107.0	103.3			163.9
TWET 59 DEG F	1250	94.1	97.1	98.3	99.1	100.1	101.3	92.1	104.7	106.5	107.3	107.8	108.1	105.6	102.9			163.9
(288, DEG K)	1500	95.2	100.0	100.3	100.8	101.2	101.4	91.7	104.3	105.0	106.6	106.5	106.4	104.4	101.5			163.3
HACT 0 GM/M3	2000	94.5	98.8	100.1	101.2	102.1	101.3	90.7	102.2	103.2	104.6	104.5	104.6	102.6	99.7			162.2
(, KG/M3)	2500	91.0	96.1	97.0	99.1	100.3	99.8	89.2	100.5	101.1	102.3	102.2	101.7	100.3	96.8			160.2
FREQ SHIFT	3150	87.8	92.0	94.0	95.9	96.4	97.1	87.0	98.1	98.6	99.9	98.6	99.5	97.8	93.8			157.9
JET 9	4000	83.5	88.6	90.1	91.3	92.2	93.7	83.8	95.5	94.9	97.1	95.7	96.6	95.4	90.3			155.4
DIAMETER RATIO	5000	80.8	85.5	87.2	88.8	89.9	89.2	79.6	91.8	92.4	93.7	92.6	93.3	91.7	88.7			152.6
DP/DM 8.00	6300	78.1	82.3	83.6	85.6	86.0	86.3	76.9	90.0	89.1	93.5	90.2	92.2	91.3	87.4			152.0
OVERALL CALCULATED	8000	78.3	79.7	80.9	83.3	83.4	82.9	74.1	89.7	88.2	93.8	88.9	91.3	91.3	87.8			153.2
PRDB	10000	79.3	78.4	78.7	80.9	82.4	81.8	73.1	90.8	88.0	96.0	90.6	92.5	92.3	89.0			157.0
		104.8	107.2	108.2	109.3	110.3	111.2	101.7	114.0	115.7	117.8	118.2	119.2	118.8	115.5			174.3
		115.8	119.0	120.2	121.3	122.4	122.7	112.8	124.7	125.8	127.8	127.6	128.2	126.8	123.6			175.6



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39' DEG F, 70 PERCENT REL HUMID DAY)

SPL INPUT AT STD REV: ALPHA 12/73		LEVELS SCALED FROM MODEL DATA (39' DEG F, 70 PERCENT REL HUMID DAY)																
FREQ		30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	170'	180'	190'
REV: ALPHA 12/73		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.13)	(3.30)
NO EGA		50	63.8	63.9	71.3	69.7	72.0	72.7	64.4	76.8	77.9	81.4	81.0	84.7	86.9	78.6	84.4	77.9
SIDELINE 2400' FT		63	64.9	67.4	70.5	70.5	72.0	74.0	66.8	77.1	79.2	80.2	82.9	86.2	84.4	77.9	84.4	77.9
(731.52 M)		80	66.3	68.5	71.1	70.9	72.4	73.9	65.9	78.0	80.1	82.4	85.1	85.6	85.1	79.9	85.1	79.9
NFA		100	65.8	69.1	71.2	72.9	74.9	75.1	66.9	79.7	80.7	83.4	84.7	84.9	82.3	76.7	84.9	76.7
0' RPM		125	67.7	68.7	71.9	72.2	74.1	76.2	68.0	79.6	81.4	84.9	85.4	84.5	81.5	73.2	84.5	73.2
0' RAD/SEC		160	66.4	69.6	71.7	73.5	74.9	76.6	68.4	80.1	81.4	85.1	85.9	84.4	79.9	72.3	84.4	79.9
NFK		200	66.0	69.9	71.5	74.0	75.6	77.3	68.7	80.3	81.9	84.3	84.7	83.6	78.1	71.0	84.3	78.1
0' RPM		250	67.0	69.3	71.0	75.0	76.9	78.0	69.0	81.0	82.4	84.5	84.1	83.0	78.5	71.1	84.1	78.5
NPD		315	65.8	69.7	72.7	73.6	75.3	77.1	69.0	80.8	83.3	84.7	83.4	82.6	78.6	70.2	84.7	78.6
0' RAD/SEC		400	65.7	70.1	72.4	75.1	76.8	78.5	68.9	81.1	83.3	85.5	83.8	82.4	78.5	71.2	85.5	78.5
AIRFLOW RATIO		500	64.5	68.7	71.7	74.9	76.8	79.7	70.2	82.1	84.2	85.2	83.5	82.1	78.1	70.4	84.2	78.1
WF/HM 8.00		630	64.5	68.6	71.6	74.9	77.3	79.6	71.0	83.8	85.6	86.1	83.9	82.5	78.7	70.0	85.6	78.7
		800	64.2	68.7	72.1	75.2	78.5	80.5	71.7	84.7	85.3	86.4	84.2	82.5	78.0	68.9	85.3	78.0
VEHICLE JENOTS		1000	63.0	68.8	72.7	75.3	78.3	81.0	71.5	83.6	84.8	85.7	84.1	82.0	76.9	66.6	84.8	76.9
CONFIG JE-063		1250	62.3	69.4	73.3	75.9	77.9	79.7	70.8	83.1	84.3	84.3	82.8	80.5	73.8	63.7	84.3	73.8
LOC EVENDALE		1600	60.9	70.5	73.8	76.2	77.8	78.7	69.2	81.6	81.6	82.0	80.0	77.0	70.2	58.7	81.6	70.2
DATE 05-09-75		2000	57.4	67.1	71.7	75.0	77.3	77.3	66.9	78.1	78.4	78.4	76.2	72.9	65.5	52.5	78.4	65.5
RUN DBTF-MODEL 1		2500	49.7	61.2	66.0	70.6	73.4	73.8	63.4	74.4	74.2	73.8	71.2	66.8	59.0	43.4	74.2	66.8
TAPE X10700		3150	39.8	52.0	58.0	63.7	66.1	67.9	58.1	68.8	68.3	67.7	63.3	59.4	49.8	30.3	68.3	59.4
PAN TIP SPEED		4000	25.4	40.9	48.6	53.6	56.9	59.7	50.2	61.5	59.6	59.4	54.2	48.9	37.2	11.7	59.4	48.9
FT/SEC		5000	16.8	33.3	42.0	47.9	51.6	52.4	43.3	55.0	54.2	52.8	47.4	41.1	27.7	1.4	54.2	47.4
		6300		17.0	27.5	35.3	39.2	41.4	32.6	45.2	42.3	43.1	34.2	26.9	10.1		42.3	34.2
		8000			8.3	18.6	23.4	25.5	17.6	32.3	28.2	29.1	16.3	5.9			29.1	16.3
OVERALL CALCULATED		10000	77.3	81.3	84.4	86.6	88.7	90.4	81.5	93.6	95.0	96.5	96.0	95.5	93.1	85.9	96.5	95.5
PNDB			81.6	88.8	92.4	95.4	97.7	98.7	89.1	101.4	102.1	103.0	101.5	99.5	95.1	86.4	103.0	99.5



568

☆ 10 dB TOO LOW

ORIGINAL PAGE IS
OF POOR QUALITY

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM										PROC. DATE MONTH 82 DAY 0 HR 0 MIN 0.0 DAY JENOTS									
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 59 DEG F 70 PERCENT REL HUM DAY JENOTS										INLET ANGLE FROM INLET (N DEGREES (AND RADIANS))									
SPL INPUT AT STD	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	0'	0'	0'	0'	PHL
REV. ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	
NO EQA	50	78.9	76.7	82.6	82.9	81.7	82.0	73.6	85.8	87.6	90.1	90.0	95.5	98.0	94.6				148.8
RDG. NO.	63	79.8	79.8	82.6	82.8	82.2	83.0	76.0	86.7	87.9	89.4	90.7	96.6	96.6	94.1				148.8
RADIAL 320 FT	80	80.6	81.5	82.7	82.5	83.7	84.3	75.4	87.4	88.9	90.7	94.7	97.3	97.4	95.8				150.1
(98, R)	100	81.5	82.9	83.1	84.8	84.5	84.8	76.7	89.4	90.3	93.5	95.2	95.8	94.2	95.7				149.9
VEHICLE JENOTS	125	83.3	82.6	84.8	84.7	85.5	86.9	78.2	90.3	91.1	95.1	96.7	97.4	94.6	92.9				151.0
CONFIG JE-063	160	83.5	83.9	85.4	85.6	86.9	87.2	79.2	90.4	91.9	95.1	97.9	97.0	94.7	91.2				151.3
LOC EVENDALE	200	82.8	85.5	86.4	87.0	88.1	89.2	79.8	91.2	92.8	96.0	97.1	97.0	94.6	91.2				151.6
DATE 05-09-75	250	85.1	85.6	86.5	89.1	90.2	90.6	80.3	92.6	94.2	96.9	97.4	96.8	95.4	91.8				152.4
RUN DBTF-MODEL 1	315	84.8	87.3	89.0	88.7	89.4	90.5	81.5	93.7	95.1	98.9	98.3	98.0	94.7	92.5				153.4
TAPE X10710	400	85.4	88.2	89.8	90.0	91.1	92.6	82.6	94.4	96.1	100.2	99.0	98.7	96.1	94.2				154.5
BAR 29.4 HG	500	85.5	88.5	90.1	90.9	92.0	93.4	84.2	96.5	98.1	100.7	100.4	99.4	97.1	94.9				155.7
(98246, N/M2)	630	86.8	89.1	91.0	91.9	92.6	94.4	85.9	98.6	100.2	102.6	101.6	101.5	99.1	97.4				157.4
TAMB 78 DEG F	800	89.0	91.0	92.2	93.3	94.8	95.9	86.6	99.6	101.0	103.6	103.3	103.1	101.8	100.8				159.0
(299, DEG K)	1000	89.6	91.6	93.4	93.9	95.6	97.0	87.4	100.1	101.9	104.5	104.3	104.8	104.0	103.8				160.3
TWET 39 DEG F	1250	91.6	93.1	94.3	95.1	96.9	97.6	87.9	100.4	102.3	105.3	105.0	106.1	105.3	105.2				161.3
(288, DEG R)	1600	91.2	94.7	95.6	95.5	95.9	96.9	87.7	99.8	101.5	103.3	103.2	104.9	104.1	104.3				160.4
HACT 0.04/M3	2000	91.0	95.3	95.8	96.2	96.3	96.3	87.0	99.0	99.5	101.1	101.5	103.3	102.3	101.7				159.1
(, KG/M3)	2500	89.5	94.3	95.5	96.3	95.8	95.3	84.9	96.5	97.6	98.8	99.2	100.5	99.8	98.8				157.4
FREQ. SHIFT	3150	86.3	91.3	93.5	94.4	94.1	94.4	83.3	94.1	94.6	95.9	95.8	97.5	97.6	95.5				155.4
JET 9	4000	81.5	86.8	88.9	89.3	90.2	91.4	80.8	91.5	90.6	92.8	92.7	93.8	94.1	91.3				152.5
DIAMETER RATIO	5000	78.3	83.3	85.7	86.5	87.1	86.9	76.9	88.3	87.9	89.2	88.6	90.3	90.5	89.2				149.5
DF/DM 8.00	6300	74.6	79.6	81.8	83.6	83.3	83.8	73.9	85.0	84.3	87.5	85.2	87.4	87.5	85.4				147.7
OVERALL CALCULATED	8000	71.8	75.5	78.4	80.8	81.6	81.1	71.9	82.7	81.7	86.3	82.4	85.1	85.8	83.3				147.4
PNDB	10000	70.5	71.4	73.7	79.7	80.4	80.5	72.1	82.3	79.2	87.0	81.6	84.0	84.0	81.5				149.2
		100.1	103.1	104.4	105.0	105.7	106.4	96.9	109.1	110.5	113.1	113.0	113.8	112.8	111.9				169.5
		111.8	115.8	117.0	117.8	118.0	118.5	108.3	120.2	121.0	123.3	123.3	124.5	123.6	122.7				170.8

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD REV. ALPHA 12/73		FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)
NO EGA		50	55.1	55.1	62.5	64.0	63.5	64.2	55.9	68.0	69.4	71.1	70.0	74.0	74.1	67.3	
SIDELINE 2400' FT.		63	55.9	58.2	62.5	63.8	64.0	63.9	58.3	68.9	69.7	70.5	70.6	75.0	72.6	66.6	
(73.1, 52 H)		80	56.5	59.7	62.6	63.4	63.4	66.4	57.6	69.5	70.6	71.7	74.6	75.6	73.4	68.2	
NFA 0, RPM		100	57.3	61.1	62.9	65.7	66.1	66.8	58.9	71.4	71.9	74.4	75.0	73.9	70.0	67.9	
{ 0, RAD/SEC)		125	59.0	60.7	64.4	65.5	67.1	68.9	60.3	72.3	72.7	75.9	76.4	75.5	70.3	64.9	
NFK 0, RPM		160	58.9	61.8	64.9	66.2	67.9	69.1	61.2	72.3	73.4	75.8	77.4	74.9	70.1	62.8	
{ 0, RAD/SEC)		200	58.0	63.2	65.8	67.5	69.4	71.0	61.7	73.0	74.2	76.5	76.5	74.6	69.8	62.5	
NFD 0, RPM		250	60.0	63.0	65.7	70.0	71.4	72.2	62.0	74.2	75.4	77.3	76.6	74.2	70.2	62.6	
{ 0, RAD/SEC)		315	59.3	64.4	67.9	68.9	70.3	71.9	63.0	75.1	76.0	79.0	77.2	75.1	69.1	62.7	
AIRFLOW RATIO		400	59.2	64.9	68.4	69.8	71.8	73.8	63.9	75.6	76.8	80.0	77.5	75.4	70.0	63.5	
WF/WM. 8.100		500	58.8	64.7	68.2	70.4	72.3	74.2	65.2	77.4	78.5	80.2	78.5	75.6	70.4	63.2	
		630	59.2	64.6	68.6	70.9	72.5	74.9	66.5	79.0	80.1	81.6	79.2	77.0	71.5	64.5	
		800	60.3	65.7	69.1	71.7	74.2	75.8	66.7	79.5	80.3	82.0	80.2	77.8	73.0	66.1	
VEHICLE: JENOTS		1000	59.5	65.3	69.5	71.5	74.3	76.2	66.8	79.3	80.5	82.2	80.3	78.5	73.9	67.1	
CONFIG JE-063		1250	59.8	65.4	69.3	71.9	74.7	76.0	66.9	78.9	80.1	82.0	80.0	78.5	73.9	66.0	
LOC EVENDALE		1600	56.9	65.2	69.0	70.9	72.5	74.2	65.2	77.1	78.1	78.7	76.7	75.5	69.9	61.5	
DATE 05-09-75		2000	53.9	63.6	67.5	70.0	71.5	72.3	63.1	74.9	74.7	74.9	73.2	71.6	65.2	54.5	
RUN DBT-MODEL		2500	48.2	59.4	64.5	67.8	68.9	69.3	59.1	70.4	70.7	70.3	68.2	65.6	58.5	45.4	
TAPE: X10710		3150	38.3	51.2	58.3	62.2	63.9	65.2	54.4	64.8	64.3	63.7	60.6	57.4	49.5	32.0	
FAN TIP SPEED		4000	23.4	39.1	47.3	51.6	54.9	57.5	47.2	57.5	55.3	55.1	51.2	46.1	36.0	12.7	
FT/SEC		5000	14.3	31.3	40.5	45.6	48.9	50.1	40.6	51.5	49.7	48.3	43.4	38.1	26.9	1.9	
		6300		14.3	25.8	33.3	36.5	38.9	29.6	40.2	37.5	37.1	29.2	22.1	6.3		
		8000			9.8	16.1	21.7	23.8	15.3	25.3	21.7	21.6	9.8				
		10000					21.1	5.8		7.6	0.9	2.1					
OVERALL CALCULATED			70.8	75.9	79.6	81.7	83.7	88.2	76.1	88.2	89.2	91.0	89.6	88.1	83.8	77.4	
PRDB			76.5	84.0	88.1	90.6	92.4	93.7	84.3	96.3	97.1	98.3	96.5	94.9	89.4	81.4	

PAGE 1		FULL SCALE DATA REDUCTION PROGRAM										PROC. DATE - MONTH 69 DAY 0 HR. 00.00										DATA (39. DEG. F, 70 PERCENT REL. HUM., DAY 3. JENOTS)										FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL										ANGLES FROM INLET IN DEGREES (AND RADIAN)										REL. HUM. DAY 3. JENOTS										PHL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
SPL INPUT AT STD		REV. ALPHA 12/73		FREQ.		30		40		50		60		70		80		90		100		110		120		130		140		150		160		170		180		190		200		210		220		230		240		250		260		270		280		290		300		310		320		330		340		350		360		370		380		390		400		410		420		430		440		450		460		470		480		490		500		510		520		530		540		550		560		570		580		590		600		610		620		630		640		650		660		670		680		690		700		710		720		730		740		750		760		770		780		790		800		810		820		830		840		850		860		870		880		890		900		910		920		930		940		950		960		970		980		990		1000		1010		1020		1030		1040		1050		1060		1070		1080		1090		1100		1110		1120		1130		1140		1150		1160		1170		1180		1190		1200		1210		1220		1230		1240		1250		1260		1270		1280		1290		1300		1310		1320		1330		1340		1350		1360		1370		1380		1390		1400		1410		1420		1430		1440		1450		1460		1470		1480		1490		1500		1510		1520		1530		1540		1550		1560		1570		1580		1590		1600		1610		1620		1630		1640		1650		1660		1670		1680		1690		1700		1710		1720		1730		1740		1750		1760		1770		1780		1790		1800		1810		1820		1830		1840		1850		1860		1870		1880		1890		1900		1910		1920		1930		1940		1950		1960		1970		1980		1990		2000		2010		2020		2030		2040		2050		2060		2070		2080		2090		2100		2110		2120		2130		2140		2150		2160		2170		2180		2190		2200		2210		2220		2230		2240		2250		2260		2270		2280		2290		2300		2310		2320		2330		2340		2350		2360		2370		2380		2390		2400		2410		2420		2430		2440		2450		2460		2470		2480		2490		2500		2510		2520		2530		2540		2550		2560		2570		2580		2590		2600		2610		2620		2630		2640		2650		2660		2670		2680		2690		2700		2710		2720		2730		2740		2750		2760		2770		2780		2790		2800		2810		2820		2830		2840		2850		2860		2870		2880		2890		2900		2910		2920		2930		2940		2950		2960		2970		2980		2990		3000		3010		3020		3030		3040		3050		3060		3070		3080		3090		3100		3110		3120		3130		3140		3150		3160		3170		3180		3190		3200		3210		3220		3230		3240		3250		3260		3270		3280		3290		3300		3310		3320		3330		3340		3350		3360		3370		3380		3390		3400		3410		3420		3430		3440		3450		3460		3470		3480		3490		3500		3510		3520		3530		3540		3550		3560		3570		3580		3590		3600		3610		3620		3630		3640		3650		3660		3670		3680		3690		3700		3710		3720		3730		3740		3750		3760		3770		3780		3790		3800		3810		3820		3830		3840		3850		3860		3870		3880		3890		3900		3910		3920		3930		3940		3950		3960		3970		3980		3990		4000		4010		4020		4030		4040		4050		4060		4070		4080		4090		4100		4110		4120		4130		4140		4150		4160		4170		4180		4190		4200		4210		4220		4230		4240		4250		4260		4270		4280		4290		4300		4310		4320		4330		4340		4350		4360		4370		4380		4390		4400		4410		4420		4430		4440		4450		4460		4470		4480		4490		4500		4510		4520		4530		4540		4550		4560		4570		4580		4590		4600		4610		4620		4630		4640		4650		4660		4670		4680		4690		4700		4710		4720		4730		4740		4750		4760		4770		4780		4790		4800		4810		4820		4830		4840		4850		4860		4870		4880		4890		4900		4910		4920		4930		4940		4950		4960		4970		4980		4990		5000		5010		5020		5030		5040		5050		5060		5070		5080		5090		5100		5110		5120		5130		5140		5150		5160		5170		5180		5190		5200		5210		5220		5230		5240		5250		5260		5270		5280		5290		5300		5310		5320		5330		5340		5350		5360		5370		5380		5390		5400		5410		5420		5430		5440		5450		5460		5470		5480		5490		5500		5510		5520		5530		5540		5550		5560		5570		5580		5590		5600		5610		5620		5630		5640		5650		5660		5670		5680		5690		5700		5710		5720		5730		5740		5750		5760		5770		5780		5790		5800		5810		5820		5830		5840		5850		5860		5870		5880		5890		5900		5910		5920		5930		5940		5950		5960		5970		5980		5990		6000		6010		6020		6030		6040		6050		6060		6070		6080		6090		6100		6110		6120		6130		6140		6150		6160		6170		6180		6190		6200		6210		6220		6230		6240		6250		6260		6270		6280		6290		6300		6310		6320		6330		6340		6350		6360		6370		6380		6390		6400		6410		6420		6430		6440		6450		6460		6470		6480		6490		6500		6510		6520		6530		6540		6550		6560		6570		6580		6590		6600		6610		6620		6630		6640		6650		6660		6670		6680		6690		6700		6710		6720		6730		6740		6750		6760		6770		6780		6790		6800		6810		6820		6830		6840		6850		6860		6870		6880		6890		6900		6910		6920		6930		6940		6950		6960		6970		6980		6990		7000		7010		7020		7030		7040		7050		7060		7070		7080		7090		7100		7110		7120		7130		7140		7150		7160		7170		7180		7190		7200		7210		7220		7230		7240		7250		7260		7270		7280		7290		7300		7310		7320		7330		7340		7350		7360		7370		7380		7390		7400		7410		7420		7430		7440		7450		7460		7470		7480		7490		7500		7510		7520		7530		7540		7550		7560		7570		7580		7590		7600		7610		7620		7630		7640		7650		7660		7670		7680		7690		7700		7710		7720		7730		7740		7750		7760		7770		7780		7790		7800		7810		7820		7830		7840		7850		7860		7870		7880		7890		7900		7910		7920		7930		7940		7950		7960		7970		7980		7990		8000		8010		8020		8030		8040		8050		8060		8070		8080		8090		8100		8110		8120		8130		8140		8150		8160		8170		8180		8190		8200		8210		8220		8230		8240		8250		8260		8270		8280		8290		8300		8310		8320		8330		8340		8350		8360		8370		8380		8390		8400		8410		8420		8430		8440		8450		8460		8470		8480		8490		8500		85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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL HUM, DAY)

SPL INPUT AT STD REV: ALPHA 12/73		FREQ. (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (3.0) (3.15) (3.3)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
NO EGA		50	51.1	50.9	58.3	57.5	60.0	60.2	61.4	64.0	64.4	66.4	64.5	68.0	68.6	62.6		
SIDE LINE 2400 FT (731.52 M)		63	51.9	54.4	57.7	58.3	60.5	61.8	64.0	64.6	65.2	65.7	66.9	70.2	68.6	61.6		
NFA 0, RPM		80	52.3	56.0	59.1	59.2	61.7	61.9	63.9	65.5	66.9	66.9	69.3	70.3	68.6	64.2		
NFA 0, RAD/SEC		100	53.3	57.1	59.2	61.2	62.6	63.6	64.9	67.4	67.9	69.9	70.0	70.2	65.8	63.7		
NFK 0, RPM		125	54.7	58.4	60.4	61.7	62.8	65.2	66.8	67.8	69.4	70.9	71.6	70.7	65.3	60.2		
NFK 0, RAD/SEC		160	54.7	58.3	61.7	62.5	64.2	65.8	67.7	68.6	69.1	71.3	72.6	71.1	65.1	58.8		
NFD 0, RPM		200	54.5	59.9	62.5	64.3	66.1	68.0	68.9	69.5	69.7	72.5	72.7	69.9	65.6	58.7		
NFD 0, RAD/SEC		250	56.2	60.0	62.7	65.5	68.4	69.0	69.3	70.5	71.4	73.3	73.1	71.2	66.2	58.8		
AIRFLOW RATIO HP/WH 8.00		315	56.0	61.7	65.2	66.4	67.3	69.1	69.8	71.6	72.3	74.5	73.9	71.6	66.1	59.2		
		400	56.7	62.1	65.4	67.3	69.1	70.3	71.6	72.6	73.0	75.7	75.0	72.4	67.0	60.0		
		500	55.5	61.5	65.2	67.4	69.8	71.5	72.5	74.1	75.0	76.7	75.5	72.6	67.9	59.9		
		630	56.2	61.9	65.6	67.9	70.0	72.6	73.7	75.8	76.6	78.1	77.2	74.5	68.7	61.0		
		800	57.3	62.9	66.8	70.5	71.2	73.5	74.4	76.7	77.1	79.2	78.0	75.3	70.8	62.6		
VEHICLE JENOTS		1000	56.7	62.8	67.2	69.3	71.8	74.2	74.3	76.3	77.3	79.9	78.1	76.2	70.9	63.1		
CONF JE D63		1250	56.6	61.7	66.6	69.1	71.4	73.2	74.0	75.9	77.3	78.8	77.5	75.7	70.3	63.0		
LOC. EVENDALE		1600	52.9	61.0	65.5	68.2	70.8	72.2	73.0	74.6	75.6	76.0	74.7	73.0	67.7	59.0		
DATE 05-09-75		2000	49.4	58.9	63.5	66.7	69.8	70.3	70.9	71.9	72.4	72.9	70.9	68.9	63.7	53.0		
RUN DBTE-MODEL 1		2500	43.5	54.4	59.3	62.8	64.7	66.0	66.9	68.2	68.2	68.1	66.0	63.3	56.2	43.9		
TAPE X10720		3150	34.5	48.0	54.6	58.2	61.1	61.2	61.4	61.8	62.5	61.2	58.8	54.9	47.0	30.5		
FAN TIP SPEED		4000	29.9	35.9	44.3	49.4	52.1	54.7	54.4	54.7	53.3	53.1	49.2	43.9	33.7	11.2		
FT/SEC		5000	10.5	27.6	36.8	42.4	45.1	47.9	48.1	48.6	47.4	46.3	41.1	35.6	24.7			
		6300		10.3	21.8	29.1	32.2	34.9	35.8	37.4	35.0	34.9	26.9	19.9	4.6			
		8000			1.5	11.1	15.7	18.3	19.8	23.6	19.7	19.8	8.0					
		10000							0.2	5.6		1.6						
OVERALL CALCULATED			67.3	72.6	76.5	78.9	80.9	82.6	83.4	85.1	86.0	87.7	86.7	84.9	80.3	73.5		
RND			72.7	80.0	84.5	87.4	89.9	91.1	91.9	93.4	94.1	95.1	93.9	91.9	86.5	78.1		

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OF POOR QUALITY

MODEL 2

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHI		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
REV, ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.0)	(3.0)		
NO EGA.		80	74,9	73,5	77,6	76,7	78,2	78,5	79,3	80,6	82,1	83,8	85,2	89,5	93,0	92,6			143,7	
RDG. NO. - 0.		80	75,8	76,3	77,8	76,8	78,0	79,1	80,7	81,0	82,9	83,4	85,2	91,4	93,1	92,8			144,4	
RADIAL 320, FT.		100	77,7	78,9	78,9	79,8	80,3	80,0	80,9	82,9	84,0	86,3	87,0	90,3	90,7	92,5			144,3	
(-98, M)		125	78,1	77,6	79,5	79,2	79,8	81,4	82,9	83,3	84,1	86,6	86,5	89,4	88,9	87,7			143,5	
VEHICLE JENOTS		160	78,0	78,9	80,1	79,3	80,2	81,2	82,4	83,4	83,7	85,1	86,8	89,2	88,4	85,2			143,2	
CONFIG JENOTS		200	77,6	79,7	80,7	80,3	82,1	82,3	82,3	83,0	83,4	84,5	86,4	88,0	85,6	82,2			142,6	
LOC EVENDALE		250	79,4	79,6	79,3	81,4	81,5	81,4	82,1	82,4	82,8	84,2	85,7	87,5	83,6	81,0			142,1	
DATE 04-22-75		315	78,4	79,6	80,3	79,5	79,9	80,2	81,3	82,5	82,6	83,1	85,1	87,0	82,5	79,8			141,4	
RUN DBTF-MODEL 2		400	76,7	79,0	79,6	80,3	80,9	81,4	81,1	82,2	82,7	83,7	85,0	86,5	83,7	80,5			141,6	
TARE - X20010		500	75,1	78,4	79,4	79,5	80,1	81,0	81,1	82,4	83,0	83,8	85,5	86,2	83,0	80,9			141,5	
BAR 29,9 HG		630	75,9	79,5	80,3	80,3	80,7	82,0	82,5	83,7	84,5	85,2	86,4	87,1	84,7	83,0			142,8	
(01039, N/M2)		800	76,6	80,9	81,6	81,7	82,7	83,8	83,8	84,7	85,1	85,8	87,2	87,8	85,4	84,2			143,9	
TAMB 59, DEG F		1000	76,3	81,6	81,9	82,9	84,1	84,2	84,3	86,3	86,8	87,5	88,0	87,8	85,2	85,7			144,9	
(288, DEG K)		1250	76,7	82,1	83,1	82,9	84,4	85,0	84,9	85,7	87,3	88,1	89,1	87,2	85,1	85,0			145,3	
TNET 53, DEG F		1600	74,2	80,5	82,1	81,8	84,0	83,7	84,5	85,9	86,3	87,7	88,3	86,3	84,0	83,6			144,8	
(285, DEG K)		2000	72,1	78,9	80,2	80,2	82,4	81,9	83,0	84,5	84,8	85,4	86,3	84,4	82,1	81,2			143,2	
HACT 8.91 GM/M3		2500	69,3	76,1	77,1	77,6	78,9	79,3	80,2	82,0	82,6	83,1	83,2	81,3	79,0	78,1			140,8	
(106691 KG/M3)		3150	67,0	74,0	74,7	75,6	76,8	77,6	78,0	79,8	80,3	80,8	79,8	78,2	76,5	74,7			138,8	
FREQ. SHIFT		4000	63,6	70,4	70,9	71,9	72,7	74,3	75,1	76,8	76,9	77,9	76,8	75,6	74,8	71,1			136,4	
JET		5000	61,1	67,8	68,5	69,3	69,9	70,9	71,3	73,5	74,2	74,2	72,9	71,1	70,3	68,9			133,5	
DIAMETER RATIO		6300	58,5	64,7	65,2	66,0	66,4	68,2	68,7	71,2	71,2	72,1	69,8	69,3	68,1	66,7			132,1	
DF/DM 8.00		8000	56,9	61,6	61,7	62,7	63,0	66,3	67,0	69,5	69,0	71,1	68,7	68,1	67,3	67,4			132,3	
OVERALL CALCULATED		10000	56,0	58,8	58,6	59,9	60,6	67,7	67,8	70,5	68,1	72,6	69,5	69,5	68,7	68,9			135,6	
PNDB			96,7	101,6	102,6	102,8	104,2	104,6	105,4	106,8	107,2	108,2	108,7	108,4	106,6	105,7			157,5	

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)																0.0 0.0 0.0		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)			
REV. ALPHA 12/73	FREQ.	50	51.1	51.9	57.5	57.7	59.9	60.7	61.7	62.8	63.8	64.9	62.5	67.9	69.1	65.3				
NO EGA	63	51.6	54.7	57.7	57.8	59.7	61.3	63.0	63.1	64.7	64.5	65.1	69.7	69.1	65.4					
SIDELINE 2400 FT	80	51.8	55.7	59.1	58.2	61.2	61.1	64.1	64.5	65.4	64.2	65.1	68.6	67.9	65.2					
(734.52 M)	100	53.5	57.1	58.7	60.6	61.9	62.1	63.1	64.9	65.7	67.4	66.1	67.5	64.5	59.7					
NFA 0. RPM	125	53.7	55.7	59.2	60.0	61.3	63.4	65.0	65.3	65.7	67.4	66.1	67.5	64.5	59.7					
(0. RAD/SEC)	150	53.4	56.8	59.6	60.0	61.7	63.1	64.4	65.3	65.1	65.8	66.4	67.1	63.9	56.8					
NFK 0. RPM	200	52.8	57.4	60.0	60.8	63.4	64.0	64.2	64.8	64.7	65.1	65.7	65.7	60.8	53.3					
(0. RAD/SEC)	250	54.2	57.3	58.5	61.8	62.7	63.0	63.8	64.0	63.9	64.5	64.9	65.0	58.5	52.6					
NFD 0. RPM	315	52.8	56.7	59.2	59.6	60.8	61.6	62.8	63.9	63.5	63.3	64.0	64.1	56.9	49.9					
(0. RAD/SEC)	400	50.5	55.7	58.2	60.1	61.6	62.6	62.4	63.4	63.3	63.5	63.6	63.2	57.6	49.8					
AIRFLOW RATIO	500	48.3	54.6	57.6	59.0	60.4	61.8	62.0	63.2	63.3	63.3	63.6	62.4	56.2	49.3					
WF/KM 8.00	630	48.3	55.0	57.9	59.3	60.7	62.5	63.1	64.2	64.4	64.2	64.0	62.6	57.1	50.1					
	800	47.8	55.6	58.5	60.1	62.1	63.7	63.0	64.6	64.5	64.2	64.1	62.5	56.7	49.3					
VEHICLE JENOTS	1000	46.2	55.3	57.9	60.5	62.8	63.4	63.8	65.5	65.5	65.1	64.1	61.5	53.1	49.1					
CONFIG JE*056	1250	44.9	54.5	58.1	59.7	62.2	63.5	63.6	64.2	65.1	64.8	64.0	59.5	53.3	45.8					
LOC - EVENDALE	1600	40.0	54.0	55.6	57.2	60.6	61.0	62.0	63.2	62.9	63.1	61.8	56.8	49.7	40.8					
DATE 04-22-75	2000	35.0	47.2	51.8	54.0	57.6	57.8	59.2	60.5	60.0	59.3	58.0	52.7	43.0	34.1					
RUN DBTF-MODEL-2	2500	28.0	41.2	46.1	49.1	52.0	53.3	54.4	55.9	55.7	54.6	52.3	46.6	37.7	24.7					
TARE X20010	3150	19.0	34.0	39.5	43.4	46.6	48.4	49.1	50.5	50.0	48.6	44.6	38.1	28.5	11.2					
FAN TIP SPEED	4000	5.4	22.7	29.4	34.2	37.4	40.3	41.5	42.8	41.6	40.2	35.2	27.9	16.6						
FT/SEC	5000		15.6	23.3	28.4	31.7	34.2	35.1	36.8	35.9	33.3	27.7	18.9	6.3						
	6300			9.2	15.7	19.6	23.3	24.4	26.3	24.4	21.8	13.8	4.2							
	8000					3.0	9.1	10.4	12.2	9.0	6.4									
	10000																			
OVERALL CALCULATED		63.3	67.7	70.6	71.8	73.7	74.7	75.6	76.8	76.7	77.0	76.8	77.8	75.7	71.9					
PND8		65.0	71.9	75.7	77.6	80.2	81.1	82.0	83.1	83.0	83.0	82.0	79.7	74.2	68.3					

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	(0.0°)	(0.0°)	(0.0°)
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.73)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0.0°)	(0.0°)	(0.0°)
RDG. NO. BGA	50	75.9	74.5	73.3	72.7	72.7	72.5	80.3	81.8	83.3	85.6	83.0	90.3	93.5	92.9					
RDG. NO. 0	80	76.1	77.6	79.1	77.8	79.5	80.4	81.7	82.7	84.2	84.4	86.0	92.6	93.3	93.3					
RADIAL 320 FT.	100	77.1	78.5	80.0	78.7	80.0	80.3	82.4	83.1	84.7	84.5	86.0	90.8	91.9	92.8					
(98.4)	125	78.0	79.4	79.4	80.3	80.8	80.8	81.9	84.1	85.3	87.0	88.7	91.3	90.7	92.5					
VEHICLE JENOTS	150	79.1	78.1	80.3	79.9	80.5	81.7	83.4	84.1	85.1	87.1	87.5	89.7	89.6	87.9					
CONFIG JE-056	200	79.0	79.4	80.9	80.0	81.0	82.2	82.9	84.4	84.9	86.6	87.8	90.2	88.4	85.4					
LCC EVENDALE	250	78.8	81.2	81.7	82.0	83.1	83.8	83.5	83.8	84.6	85.8	87.6	88.5	85.6	83.2					
DATE 04-22-75	315	80.1	80.6	81.3	83.7	83.7	83.6	83.3	84.1	84.5	85.4	87.0	88.3	84.9	82.8					
RUN DBTF-MODBL 2	400	79.6	81.1	83.1	82.3	82.2	83.0	83.3	84.7	85.1	85.6	87.1	88.5	84.7	82.0					
TARE X20020	500	78.7	81.3	82.4	83.3	84.2	84.4	84.1	85.0	85.7	87.0	88.6	89.2	85.9	84.0					
BAR 29.9 HG	630	77.4	81.4	82.4	82.5	83.1	84.3	84.8	85.6	86.2	87.6	89.2	89.5	87.0	84.9					
101039, N/M2	800	78.2	83.5	83.6	84.0	84.2	85.3	86.5	87.5	88.8	89.4	90.9	91.3	88.5	87.5					
TAMB 59, DEG F	1000	79.9	84.9	86.1	85.7	86.5	88.1	87.8	89.0	89.4	90.9	92.2	92.8	90.4	90.2					
(288, DEG K)	1250	79.8	86.1	86.6	86.9	88.1	89.2	88.8	90.3	91.1	92.2	93.3	93.3	91.2	92.5					
THET 53, DEG F	1600	80.7	86.6	87.4	87.9	88.9	89.8	89.9	91.5	92.3	93.3	93.6	93.7	92.1	93.5					
(285, DEG K)	2000	79.2	86.5	86.9	87.6	89.0	89.5	90.3	91.6	92.1	93.7	93.1	92.8	91.5	92.4					
HACT 8.91 GM/M3	2500	77.4	84.9	85.4	86.0	88.4	88.4	89.3	90.3	90.8	91.9	91.6	91.6	90.1	90.0					
1,00891 KG/M3	3150	73.8	81.9	82.8	83.4	84.6	84.8	86.4	87.5	89.1	89.8	89.0	89.0	87.5	87.3					
FREQ. SHIFT	4000	71.0	79.7	80.5	81.3	82.3	82.9	83.5	85.5	86.5	87.3	85.5	86.2	84.8	84.0					
JET 9	5000	67.1	75.9	76.4	78.7	78.5	80.0	80.8	82.5	83.8	84.4	83.0	82.9	81.4	80.1					
DIAMETER RATIO	6300	64.6	73.0	74.5	75.1	75.9	76.2	77.4	78.8	80.2	80.5	78.7	79.1	77.8	77.3					
DF/DM 8.00	8000	61.2	69.2	70.7	71.7	71.7	73.0	74.0	75.9	76.7	77.9	75.3	76.8	76.1	76.0					
	10000	58.1	65.3	68.2	69.7	69.5	69.7	70.5	73.3	73.5	74.6	71.9	76.4	75.8	76.4					
OVERALL CALCULATED		56.2	60.6	66.4	67.6	68.9	68.5	69.0	72.0	70.1	74.1	70.5	78.0	77.5	78.4					
PNDB		91.2	95.5	96.3	96.7	97.7	98.4	98.9	100.2	101.0	102.1	102.6	103.8	102.8	102.8					
		100.1	106.2	107.0	107.6	109.0	109.5	110.2	111.4	112.3	113.3	113.1	113.9	112.4	112.2					

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190
REV. ALPHA 12/73 - FREQ.	50	52.1	52.9	58.3	58.7	60.4	61.7	62.7	64.0	65.1	66.6	63.0	68.7	69.6	65.8	65.8	65.8	65.8
NO EGA	63	52.1	55.9	59.0	58.8	61.2	62.5	64.0	64.9	65.9	65.5	65.9	71.0	69.4	65.9	65.9	65.9	65.9
SIDELINE 2400' FT.	80	53.0	56.7	59.8	59.7	61.7	62.4	64.6	65.2	66.4	65.4	65.8	69.1	67.9	65.2	65.2	65.2	65.2
(731.52 M)	100	53.8	57.6	59.2	61.1	62.4	62.8	64.1	66.2	66.9	67.9	68.9	69.4	66.5	64.7	64.7	64.7	64.7
NFA 0. RPM	125	54.7	56.2	59.9	60.7	62.1	63.7	65.5	66.1	66.7	67.9	67.1	67.7	65.3	59.9	59.9	59.9	59.9
(0. RAD/SEC)	160	54.4	57.3	60.4	60.7	62.4	64.1	64.9	66.3	66.4	67.3	67.4	68.1	63.9	57.1	57.1	57.1	57.1
NFK 0. RPM	200	54.0	58.9	61.0	62.5	64.4	65.5	65.4	65.5	65.9	66.3	67.0	66.2	60.8	54.5	54.5	54.5	54.5
(0. RAD/SEC)	250	55.0	58.0	60.5	64.1	64.9	65.3	65.1	65.7	65.7	65.8	66.1	65.7	59.8	53.6	53.6	53.6	53.6
NFD 0. RPM	315	54.0	58.2	62.0	62.4	63.1	64.4	64.8	66.1	66.0	65.8	66.0	65.6	59.2	52.2	52.2	52.2	52.2
(0. RAD/SEC)	400	52.5	58.0	60.9	63.1	64.9	65.6	65.4	66.1	66.3	66.8	67.1	65.9	59.8	53.3	53.3	53.3	53.3
AIRFLOW RATIO	500	50.6	57.6	60.6	62.0	63.4	65.1	65.8	66.5	66.6	67.1	67.4	65.7	60.2	53.3	53.3	53.3	53.3
WF/HM - 8.00	630	50.6	59.0	61.2	63.1	64.2	65.7	67.1	67.9	68.7	68.5	68.5	66.9	60.8	54.6	54.6	54.6	54.6
	800	51.1	59.6	63.0	64.1	65.8	68.0	67.8	68.9	68.7	69.2	69.1	67.5	61.7	55.5	55.5	55.5	55.5
VEHICLE - JENOTS	1000	49.7	59.8	62.7	64.5	66.8	68.4	68.3	69.5	69.8	69.9	69.3	67.0	61.1	55.8	55.8	55.8	55.8
CONFIG JEM 056	1250	48.9	59.0	62.4	64.7	66.7	68.3	68.6	69.9	70.1	70.0	68.5	66.0	60.3	54.3	54.3	54.3	54.3
LOC EVENDALE	1600	45.0	57.0	60.3	63.0	65.6	66.8	67.8	68.9	68.7	69.1	66.5	63.3	57.2	49.5	49.5	49.5	49.5
DATE 04-22-75	2000	40.2	53.2	57.1	59.8	63.6	64.3	65.5	66.2	66.0	65.8	63.2	59.9	53.0	42.9	42.9	42.9	42.9
RUN - DBTF-MODEL - 2	2500	32.5	47.0	51.8	54.9	57.7	58.8	60.7	61.4	62.2	61.3	58.0	54.1	46.2	33.0	33.0	33.0	33.0
YARE X20020	3150	23.0	39.7	45.3	49.2	52.1	53.6	54.6	56.3	56.2	55.1	50.3	46.1	36.7	20.5	20.5	20.5	20.5
FAN-TIP-SPEED	4000	8.9	28.2	34.9	41.0	43.2	46.0	47.3	48.5	48.5	46.7	41.5	35.2	23.3	1.5	1.5	1.5	1.5
FT/SEC	5000	0.6	20.8	29.3	34.2	37.7	39.4	41.1	42.0	41.9	39.6	33.4	26.9	15.8				
	6300		3.9	14.7	21.4	24.9	28.1	29.7	31.0	29.9	27.5	19.3	11.5					
	8000				4.9	9.5	12.4	13.9	15.9	13.5	9.9							
	10000																	
OVERALL CALCULATED		64.6	70.0	73.1	74.7	76.5	77.8	78.4	79.4	79.7	80.0	79.5	79.6	76.5	72.5			
PND8		67.2	76.2	79.7	82.1	84.4	85.7	86.6	87.6	87.7	87.8	86.1	84.1	78.3	71.5			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

		PROC. DATE - MONTH 4 DAY 30 HR, 13.0																	PHL		
		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)																			
		ANGLES FROM INLET IN DEGREES. (AND RADIANS)																			
REV.	ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	0.	0.	0.
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(0.)	(0.)	(0.)
			50	76.9	75.7	79.3	78.9	80.7	81.2	82.1	83.6	84.6	86.8	85.3	92.0	95.2	94.1				
			83	78.3	78.8	80.3	79.3	81.0	81.9	83.7	84.2	85.9	85.9	88.0	94.1	95.3	93.1				
			80	78.6	80.0	81.5	80.2	82.0	82.3	84.6	84.6	86.2	86.2	88.0	92.1	93.4	92.3				
			100	79.7	80.9	81.4	81.3	82.5	83.0	83.4	85.6	86.8	88.8	90.5	92.5	92.2	92.5				
			125	80.3	79.9	82.5	81.9	82.0	83.9	85.4	85.6	86.9	88.6	89.2	91.2	90.1	87.9				
			150	80.5	81.2	83.1	82.3	83.2	83.9	85.2	86.2	86.9	87.9	89.9	91.0	88.4	85.7				
			200	79.6	82.2	83.2	83.3	85.1	85.3	85.8	86.0	86.6	87.8	89.1	90.0	86.4	84.0				
			250	81.6	82.6	83.8	85.5	86.0	85.9	85.6	86.4	86.3	87.2	89.5	90.1	86.6	84.3				
			315	81.1	83.4	85.6	84.0	84.9	85.5	86.3	87.2	87.6	88.4	89.6	90.0	86.7	84.6				
			400	80.2	83.3	84.9	86.1	86.7	87.0	86.9	87.8	88.2	89.2	91.1	91.0	88.7	86.0				
			500	79.9	84.2	85.2	85.3	86.4	87.0	87.8	88.9	89.5	91.1	92.0	92.5	89.8	86.7				
			630	81.5	85.5	86.1	86.3	87.5	88.3	89.8	90.5	91.3	92.5	94.2	94.6	92.2	89.6				
			800	83.2	88.0	89.2	88.6	90.0	90.9	90.6	92.0	92.2	94.6	95.3	95.6	94.5	92.2				
			1000	83.6	89.2	89.7	89.7	91.9	92.5	92.1	93.6	93.9	96.1	96.6	97.1	95.3	94.3				
			1250	84.8	89.7	91.0	91.5	92.5	93.1	93.2	94.5	95.4	96.9	96.9	98.0	97.4	96.3				
			1600	83.6	89.9	91.2	91.2	93.1	92.8	93.9	95.2	95.9	97.0	96.6	98.1	98.1	97.0				
			2000	82.2	88.3	89.5	89.8	92.0	92.0	93.4	93.9	94.6	96.0	95.7	97.0	97.0	96.6				
			2500	80.1	86.4	87.1	88.0	89.5	89.9	90.8	92.6	93.4	93.9	93.3	94.3	94.6	94.7				
			3150	77.9	84.6	85.6	86.4	87.7	88.2	88.8	90.6	91.1	92.4	90.4	92.0	91.6	90.6				
			4000	75.0	81.1	82.6	83.1	83.9	85.7	86.5	88.2	88.1	89.3	87.7	88.8	89.1	87.0				
			5000	73.0	79.2	81.0	81.3	82.1	82.1	83.6	84.8	86.1	85.9	84.9	85.0	86.0	85.2				
			6300	69.9	76.4	77.9	78.4	78.3	79.4	80.2	82.1	82.9	83.3	81.8	83.0	83.3	82.4				
			8000	67.5	73.0	74.1	75.3	75.1	75.4	76.4	78.7	80.4	81.6	79.9	80.3	81.5	80.3				
			10000	65.9	68.8	69.8	71.3	71.6	72.7	73.0	75.7	78.6	82.4	79.4	79.4	79.9	79.6				
			OVERALL CALCULATED	74.1	78.5	79.6	79.8	101.3	101.7	102.3	103.5	104.2	105.6	105.8	107.1	106.6	105.4				
			PNDP	104.6	109.8	111.0	111.3	112.8	113.2	114.2	115.4	116.2	117.2	117.0	118.2	119.0	116.9				

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	0, 0, 0		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	210.	220.
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)	(3.67)	(3.85)
NO EGA	50	53.1	54.1	59.3	60.0	62.4	63.4	64.4	65.8	66.3	67.9	68.2	70.4	71.4	66.8						
SIDELINE 2400 FT	63	54.4	57.2	60.2	60.3	62.7	64.0	66.0	66.4	67.7	67.9	67.9	70.3	69.4	64.7						
(731.52 M)	80	54.5	58.2	61.3	61.2	63.7	64.4	66.9	66.7	67.9	67.2	67.8	70.3	69.4	64.7						
NFA 0. RPM	100	55.5	59.1	61.2	62.1	64.1	65.1	65.6	67.7	68.4	69.6	70.2	70.7	68.0	64.7						
(0. RAD/SEC)	125	56.0	57.9	62.2	62.7	63.6	65.9	67.5	67.6	68.4	69.4	68.9	69.2	65.8	59.9						
NFK 0. RPM	160	55.9	59.1	62.7	63.0	64.7	65.8	67.2	68.1	67.4	68.6	69.4	68.9	63.9	57.3						
(0. RAD/SEC)	200	54.8	59.9	62.6	63.8	66.4	67.0	67.7	67.8	67.9	68.3	68.5	67.7	61.6	55.2						
NFD 0. RPM	250	56.5	60.1	63.0	63.8	67.2	67.5	67.3	68.0	67.4	67.5	68.6	67.5	61.5	55.1						
(0. RAD/SEC)	315	55.6	60.5	64.5	64.2	65.9	66.9	67.8	68.6	68.6	68.5	68.5	67.1	61.2	54.7						
AIRFLOW RATIO	400	54.1	60.0	63.5	65.9	67.4	68.1	68.2	68.9	68.9	69.1	69.6	67.7	62.6	55.3						
WF/WM - 8.00	500	53.1	60.3	63.3	64.8	66.7	67.9	68.8	69.7	69.9	70.6	70.2	68.7	63.0	55.1						
VEHICLE - JENOTS	630	53.9	61.0	63.7	65.3	67.4	68.8	70.4	70.9	71.2	71.5	71.8	70.2	64.6	56.6						
CONFIG JE#056	800	54.4	62.6	66.1	67.1	69.4	70.8	72.6	71.9	71.5	73.0	72.2	70.3	65.7	57.6						
LOC EVENDALE	1000	53.5	62.8	65.7	67.3	70.6	71.7	71.6	72.8	72.6	73.7	72.6	70.8	65.2	57.6						
DATE 04-22-73	1250	53.0	62.1	66.0	68.2	70.3	71.6	71.9	73.0	73.2	73.6	71.9	70.3	65.6	57.1						
RUN DBTF-MODEL-2	1600	49.3	60.4	64.7	66.6	69.7	70.1	71.4	72.5	72.5	72.4	70.1	68.6	63.8	54.1						
TARE X20030	2000	45.1	56.6	61.2	63.6	67.2	67.9	69.6	69.8	69.8	69.9	67.3	65.3	59.9	49.5						
FAN-TIP-SPEED	2500	38.8	51.5	56.2	59.5	62.6	63.9	65.0	66.5	66.5	65.4	62.3	59.4	53.3	41.3						
PT/SEC	3150	29.8	44.5	50.4	54.3	57.4	59.0	59.9	61.4	60.8	60.2	55.1	52.0	43.6	27.1						
OVERALL BALCO	4000	26.9	33.4	41.1	45.4	48.6	51.7	52.9	54.2	52.8	51.6	46.2	41.1	31.0	8.5						
PNDS	5000	9.0	27.1	35.8	40.4	43.9	45.4	47.3	48.0	47.9	45.0	39.6	32.8	22.0							
	6300	11.1	21.8	28.1	31.5	34.5	35.9	37.2	36.1	32.9	25.7	17.7	2.1								
	8000			1.5	10.6	15.2	18.0	19.9	21.3	20.5	16.8	7.3									
	10000								1.0	0.3											
OVERALL BALCO		66.6	72.4	75.8	77.3	79.6	80.6	81.4	82.3	82.4	82.9	82.2	81.8	78.7	73.0						
PNDS		70.2	79.3	83.4	85.4	88.1	89.1	90.2	91.1	91.1	91.1	89.5	88.0	83.0	74.2						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS) -

		ANGLES FROM INLET IN DEGREES, (AND RADIANS)																PHL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(0.)	(0.)	(0.)
REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.			
	50	78.4	77.2	80.6	80.4	81.9	82.0	83.8	84.8	86.8	88.1	86.8	93.5	97.0	95.4				147.6	
	63	79.3	80.3	82.3	81.0	82.5	83.6	85.7	86.2	87.7	87.9	90.0	96.1	96.8	94.6				148.5	
RDG. NO. 01	80	79.6	81.7	83.0	82.0	83.0	83.5	85.4	86.6	88.2	88.0	90.2	94.6	95.4	93.1				147.7	
RADIAL 320, FY.	100	80.5	82.7	83.1	84.0	84.8	84.5	85.7	87.9	88.8	91.3	92.7	94.5	93.7	93.5				148.4	
{ 98. H }	125	82.1	82.1	84.0	83.7	84.3	85.7	87.2	87.6	88.6	90.8	92.2	93.2	91.4	88.9				147.6	
VEHICLE JENOTS	150	81.8	83.2	84.4	84.1	85.0	86.2	87.4	88.2	88.7	90.4	92.6	94.0	90.2	87.7				147.8	
CONFIG JE*056	200	81.3	84.2	85.4	85.0	86.3	87.0	87.3	88.0	88.4	90.3	91.4	91.7	88.9	85.7				147.2	
LOC EVENDALE	250	83.1	84.4	85.1	87.2	88.0	88.1	88.1	88.4	89.3	90.7	92.0	92.3	89.4	86.3				148.0	
DATE 04-22-75	315	83.1	85.6	87.3	87.0	87.4	88.0	88.5	89.2	90.4	91.9	92.3	92.5	89.2	86.6				148.6	
RUN DBTF-MODEL 2	400	82.7	85.8	87.2	88.3	89.5	89.5	89.9	90.5	90.9	93.2	93.6	93.8	91.0	89.0				149.8	
TARE X20040	500	82.6	86.4	87.4	87.8	88.9	89.8	90.3	91.4	93.0	94.4	94.8	94.8	92.0	90.2				150.8	
BAR 29.9 HG	630	84.0	89.3	88.6	89.1	90.0	90.8	92.3	93.3	94.8	96.7	96.2	96.9	94.2	92.3				152.7	
{ 1039, N/H2 }	800	85.9	91.0	91.4	91.8	91.8	93.4	93.3	94.5	95.7	98.1	98.0	98.3	96.5	95.5				154.4	
TAMB 59, DEG F	1000	86.4	91.4	91.9	92.7	93.9	95.0	94.9	95.8	97.2	99.3	98.8	99.9	97.3	98.0				155.8	
(288, DEG K)	1250	88.0	92.2	93.5	93.3	95.0	95.6	96.0	97.3	98.6	100.4	99.9	101.2	99.2	100.0				157.2	
THET 53, DEG F	1600	87.1	92.4	93.0	93.2	95.1	95.6	96.6	98.2	98.6	100.0	100.1	101.1	100.1	101.0				157.5	
(285, DEG K)	2000	86.5	91.3	91.8	92.1	94.7	95.3	96.1	97.9	98.6	99.3	98.9	101.2	100.0	100.3				157.3	
HACT 8.91 GM/M3	2500	86.1	92.4	92.6	92.2	93.2	93.7	94.5	95.8	97.2	97.4	97.3	98.6	98.6	99.7				156.1	
{ 00891 KG/M3 }	3150	86.1	92.6	93.1	92.2	91.9	92.2	92.8	93.9	95.1	95.7	94.4	96.0	96.4	97.8				154.8	
FREQ. SHIFT	4000	82.0	89.1	90.1	89.8	89.1	90.2	89.8	91.2	91.6	92.3	91.7	93.3	93.1	93.0				152.5	
JET - 9	5000	79.0	85.7	86.7	87.3	87.3	87.1	86.8	87.8	89.1	89.4	88.1	89.5	90.0	91.0				149.9	
DIAMETER RATIO	6300	76.2	82.4	83.4	83.7	83.6	83.9	84.2	85.1	86.4	86.8	85.0	86.7	88.1	88.4				148.2	
DF/DM 8.00	8000	72.8	79.0	80.1	80.3	79.4	80.2	80.1	83.0	83.2	84.6	82.6	84.1	85.8	85.8				147.5	
	10000	68.2	74.3	75.6	76.1	75.8	76.4	76.3	82.0	80.6	84.4	81.7	82.4	83.4	83.4				147.8	
OVERALL CALCULATED		97.3	102.0	102.7	102.8	103.9	104.5	105.1	106.4	107.4	108.8	108.7	110.1	109.0	109.0				166.4	
PND8		109.6	115.1	115.8	115.5	116.0	116.5	117.2	118.5	119.6	120.5	120.3	121.8	121.0	121.8				167.7	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

REV. ALPHA 12/73 - FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(2.96)(3.14)																
NO EGA	50	54.6	55.6	60.5	61.5	63.7	64.2	66.2	67.0	68.6	69.1	66.7	71.9	73.1	68.1	
SIDELINE 2400 FT	80	55.4	58.7	62.2	62.0	64.2	65.8	68.0	68.4	69.4	69.0	69.9	74.5	72.9	67.1	
(731.52 M)	100	55.5	60.0	62.6	62.9	64.7	65.6	67.6	68.7	69.9	68.9	70.1	72.8	71.4	65.9	
NFA 0 RPM	125	57.7	60.2	63.7	64.5	65.8	66.6	67.9	69.9	70.4	72.1	72.5	72.7	69.5	65.7	
(0 RAD/SEC)	160	57.2	61.1	63.9	64.7	66.4	68.1	69.4	70.1	70.1	71.1	71.9	71.2	67.0	60.9	
NFK 0 RPM	200	56.5	61.9	64.8	65.6	67.7	68.8	69.2	69.8	69.7	70.8	70.7	69.4	64.1	57.0	
(0 RAD/SEC)	250	58.0	61.8	64.2	67.6	69.2	69.8	69.8	70.0	70.4	71.0	71.1	69.7	64.3	57.1	
NFD 0 RPM	315	57.6	62.7	66.2	67.2	68.4	69.4	70.1	70.6	71.3	72.0	71.2	69.6	63.7	56.7	
(0 RAD/SEC)	400	56.6	62.5	65.7	68.2	70.1	70.6	71.2	71.7	71.6	73.1	72.1	70.4	64.8	58.3	
AIRFLOW RATIO	500	55.9	62.6	65.6	67.3	69.2	70.6	71.3	72.2	73.4	73.8	72.9	71.0	65.2	58.6	
WF/HM - 8.00	630	56.4	64.8	66.2	68.1	69.9	71.3	72.9	73.7	74.7	75.7	73.8	72.4	66.6	59.4	
	800	57.1	65.6	68.3	70.1	71.1	73.3	73.4	74.4	75.0	76.5	74.9	73.0	67.7	60.8	
VEHICLE -- JENOTS	1000	56.3	65.1	68.0	70.3	72.6	74.2	74.3	75.1	75.8	77.0	74.9	73.5	67.2	61.4	
CONFIG JENOTS	1250	56.2	64.6	68.5	70.0	72.8	74.1	74.7	75.8	76.5	77.1	74.9	73.6	67.4	60.8	
LOC -- EVENDALE	1600	52.8	62.9	66.4	68.6	71.7	72.9	74.1	75.5	75.3	75.4	73.6	71.6	65.8	58.1	
DATE 04-22-75	2000	49.3	59.6	63.4	65.9	69.9	71.2	72.3	73.8	73.8	73.1	70.6	69.5	62.9	53.2	
RUN DBTF-MODEL 2	2500	44.8	57.5	61.7	63.7	66.3	67.6	68.8	69.8	70.3	68.9	66.3	63.7	57.3	46.5	
TARE X20040	3150	38.1	52.5	57.9	60.0	61.6	63.0	63.9	64.6	64.8	63.5	59.1	56.0	48.3	34.3	
FAN TIP SPEED	4000	23.9	41.4	48.6	52.1	53.8	56.2	56.2	57.2	56.3	54.6	50.2	45.6	35.0	14.9	
FT/SEC	5000	15.0	33.6	41.5	46.4	49.1	50.4	50.5	51.0	50.9	48.5	42.9	37.3	28.0	3.6	
	6300		17.1	27.3	33.4	36.8	39.0	39.9	40.2	39.6	36.4	29.0	21.4	6.9		
	8000			7.5	15.6	19.4	22.8	23.6	25.6	23.2	19.8	10.0				
	10000						1.7	2.7	7.2	2.3						
OVERALL CALCULATED		68.5	74.8	77.9	79.7	81.8	83.1	83.9	84.8	85.4	86.0	84.8	84.3	80.5	74.7	
PND8		73.4	82.3	85.9	88.0	90.7	92.0	93.0	94.1	94.3	94.3	92.6	91.0	85.3	77.5	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 73 PERCENT REL. HUM, DAY & JENOTS)-

REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		30° (0.52)	40° (0.70)	50° (0.87)	60° (1.05)	70° (1.22)	80° (1.40)	90° (1.57)	100° (1.75)	110° (1.92)	120° (2.09)	130° (2.27)	140° (2.44)	150° (2.62)	160° (2.79)	170° (3.0)	180° (3.14)	
NO EGA	50	80,9	79,0	82,8	82,2	84,4	85,0	85,8	87,1	89,1	90,6	89,5	95,8	99,0	96,6			149,6
RDG. NO. 0	53	81,3	82,8	84,6	83,3	84,7	85,9	87,2	88,5	89,2	90,4	93,0	98,6	99,3	96,1			150,8
RADIAL 320, FY.	100	83,0	84,2	85,6	85,5	86,5	86,8	87,9	90,4	90,8	93,8	95,2	97,0	96,5	95,2			150,8
(98, M)	125	84,1	83,9	85,5	85,9	86,5	88,2	88,9	89,6	91,4	93,6	95,0	95,9	94,4	90,9			150,4
VEHICLE JENOTS	140	84,3	84,9	86,1	86,1	87,0	88,2	89,4	90,4	90,9	93,6	95,9	96,5	92,7	89,7			150,4
CONFIG JE#056	200	83,6	86,2	86,7	87,0	88,6	89,3	90,0	90,5	91,9	93,5	95,1	95,0	91,9	88,2			150,2
LCC EVENDALE	250	85,1	86,1	86,6	88,9	89,5	90,1	90,3	90,9	91,8	93,9	94,7	95,3	92,1	89,1			150,5
DATE 04-22-75	315	84,9	87,1	89,1	88,5	89,4	90,2	91,0	92,0	93,1	95,4	94,8	95,5	91,5	89,1			151,2
RLN DBTF-MODEL 2	400	84,9	87,5	88,6	89,6	91,0	91,2	91,6	93,0	93,7	96,7	96,3	96,5	94,2	91,3			152,3
TAPE - X20050	500	84,6	88,6	89,4	89,8	90,8	91,5	93,3	94,4	95,3	98,1	97,5	97,5	93,3	93,0			153,5
BAR 29,9 HG	630	86,5	94,2	90,8	91,1	91,5	93,1	94,5	95,5	97,3	99,2	98,7	99,4	97,2	95,1			155,1
(01039, N/M2)	800	88,4	93,2	93,1	93,5	94,3	95,1	95,3	96,5	97,9	100,6	99,8	101,1	99,2	98,0			156,6
TAMB 59, DEG F	1000	88,1	93,4	94,2	94,1	95,9	96,7	96,4	97,8	99,1	101,8	101,3	102,4	101,0	100,5			158,1
(288, DEG K)	1250	89,5	93,4	94,2	94,7	96,4	96,9	97,7	99,0	100,4	102,1	101,9	103,2	102,7	102,5			159,1
TWET 53, DEG F	1600	88,5	93,6	94,7	94,6	96,5	97,3	98,6	99,9	100,6	102,2	101,9	103,6	102,8	102,9			159,3
(285, DEG K)	2000	88,4	94,5	95,2	94,8	96,4	97,2	98,3	99,8	100,1	101,0	100,9	102,7	102,2	102,0			159,2
WACT 8.91 GH/M3	2500	89,3	96,6	96,8	96,1	96,4	96,4	97,2	98,5	99,6	99,4	99,8	101,0	100,6	100,4			158,6
(.00891 KG/M3)	3150	89,6	98,0	99,0	97,6	96,6	95,9	95,8	97,0	97,3	98,1	97,8	98,7	99,3	98,5			158,2
FREQ. SHIFT	4000	84,0	92,0	93,3	93,8	94,3	94,4	93,9	94,4	94,0	94,7	94,1	96,0	96,3	94,5			155,7
JET 9	5000	81,7	89,4	90,4	90,7	90,5	90,8	90,5	91,7	91,8	92,1	91,0	92,2	93,7	92,7			153,1
DIAMETER RATIO	6300	78,4	87,1	88,8	88,1	87,0	87,6	87,9	88,8	88,6	89,5	88,0	89,9	91,3	90,1			151,6
DF/DH 8.00	8000	75,0	83,9	85,6	85,0	84,6	85,1	84,6	86,4	86,1	86,8	85,3	87,0	87,0	87,5			150,8
OVERALL CALCULATED	10000	70,6	80,5	82,3	81,6	81,8	82,4	82,0	84,2	83,6	85,3	83,1	84,1	86,6	84,8			150,9
PND	99,5	104,9	105,7	105,5	106,3	106,7	107,4	108,6	109,5	111,2	111,1	112,5	111,8	110,8				168,9
	112,3	119,1	120,0	119,4	119,4	119,4	119,9	121,1	121,9	122,8	122,8	124,1	123,6	122,7				170,2

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0.0, 0.0, 0.0		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(0.)	(0.)	(0.)
--REV. ALPHA 12/73	FREQ.	50	57.1	57.4	62.8	63.2	66.2	67.2	68.2	69.3	70.8	71.6	69.5	74.2	75.1	69.8				
	NO EGA	63	57.4	61.2	64.5	64.3	66.5	68.0	69.5	70.6	70.9	71.5	72.9	77.0	75.4	68.6				
	SIDELINE 2400. FT.	80	58.0	62.2	64.8	65.2	67.2	67.4	70.1	70.7	72.1	71.7	72.8	75.3	73.9	67.0				
	{73.52 H}	100	58.8	62.3	65.4	66.4	68.1	68.8	70.1	72.4	72.4	74.6	75.0	75.2	72.3	67.4				
	NFA 0. RPM	125	59.7	61.9	65.2	66.7	68.1	70.2	71.0	71.6	72.9	74.4	74.6	74.0	70.0	62.9				
	(0. RAD/SEC)	160	59.7	62.8	65.7	66.7	68.4	70.1	71.4	72.3	72.4	74.3	75.4	74.4	68.1	61.3				
	NFK 0. RPM	200	58.8	63.9	66.0	67.5	69.9	71.0	71.9	72.3	73.2	74.1	74.5	72.7	67.1	59.5				
	(0. RAD/SEC)	250	60.0	63.5	65.7	69.3	70.7	71.8	72.1	72.5	72.9	74.3	73.9	72.7	67.0	59.8				
	NFD 0. RPM	315	59.3	64.2	68.0	68.2	70.4	71.6	72.6	73.4	74.0	75.5	73.7	72.6	65.9	59.2				
	(- 0. RAD/SEC)	400	58.8	64.2	67.2	69.4	71.6	72.4	72.9	74.1	74.3	76.6	74.9	73.2	68.1	60.6				
	AIRFLOW RATIO	500	57.9	64.8	67.6	69.2	71.2	72.4	74.3	75.2	75.6	77.6	75.7	73.7	68.5	61.3				
	WF/KM 8.00	680	58.9	66.8	68.5	70.1	71.4	73.5	75.1	75.9	77.2	78.2	76.3	74.9	69.6	62.1				
	VEHICLE JENOTS	800	59.6	67.9	70.0	71.9	73.6	75.0	75.3	76.4	77.3	78.9	76.6	75.7	70.5	63.3				
	CCNF1G JE#056	1250	58.0	67.1	70.2	71.0	74.6	76.0	75.8	77.1	77.8	79.4	77.4	76.0	70.9	63.9				
	LCC EVENDALE	1600	54.3	64.1	68.1	70.0	73.1	74.6	76.1	77.2	77.2	77.6	75.3	74.1	68.5	60.1				
	DATE 04-22-75	2000	51.3	62.8	66.9	68.6	71.6	73.1	74.5	75.8	75.3	74.8	72.5	71.0	65.1	54.9				
	RUN DBTF-MODEL 2-	2500	48.0	61.7	65.9	67.7	69.5	70.3	71.5	72.5	72.7	70.9	68.8	66.1	59.3	47.0				
	TARE X20050	3150	41.5	58.0	63.8	65.4	66.3	66.6	68.9	67.8	67.0	65.9	62.6	58.7	51.2	35.0				
	FAN TIP SPEED	4000	25.8	44.3	51.8	56.1	59.0	60.4	60.4	60.4	58.7	57.1	52.6	48.3	38.2	15.9				
	FT/SEC	5000	17.7	37.2	45.2	49.8	52.3	54.1	54.2	54.9	53.6	51.2	45.8	40.0	29.7	5.8				
		6300		21.8	32.8	37.8	40.2	42.7	43.6	43.9	41.8	39.1	31.9	24.6	10.1					
		8000			13.0	20.3	24.6	27.8	28.1	29.1	26.2	22.0	22.7	1.6						
		10000					3.5	7.7	8.4	8.4	5.3	0.5								
OVERALL CALCULATED			70.7	76.8	79.9	81.5	83.7	85.0	86.0	87.0	87.5	88.6	87.3	86.8	83.2	76.5				
PNDB			75.4	84.9	88.8	90.7	92.8	94.2	95.3	96.4	96.4	96.8	94.9	93.6	88.2	99.7				

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PWL	
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)		
REV. ALPHA 12/73	FREQ.	50	76.2	74.7	79.8	77.4	78.7	79.5	80.6	82.6	85.1	87.6	87.3	93.3	99.0	96.4			147.3	
		63	76.8	77.6	78.8	77.5	78.5	79.4	81.7	82.5	84.4	85.4	87.3	94.4	96.1	94.8			146.9	
RDG. NO. 0.		80	77.6	78.0	78.7	77.7	79.2	79.3	81.6	82.4	84.4	85.2	87.7	93.1	95.2	95.1			146.3	
RADIAL 320. FT.		100	77.2	78.7	79.4	79.8	80.5	80.0	81.7	84.1	85.3	87.8	90.0	92.5	93.5	94.0			146.2	
(98. 4)		125	78.3	77.6	79.8	79.4	79.8	81.2	83.2	83.6	85.1	87.8	88.5	91.4	90.4	89.2			144.8	
VEHICLE JENOTS		150	77.5	77.9	79.6	79.3	80.0	81.4	82.7	83.7	84.7	86.9	89.3	92.0	88.9	86.2			144.6	
CONFIG JEW056		200	77.8	79.7	80.7	81.2	81.8	82.2	82.8	83.5	84.6	86.3	88.3	89.7	86.4	83.2			143.7	
LCC EYENDALE		250	79.1	79.1	79.8	81.7	82.5	82.4	82.3	83.3	84.2	84.9	87.4	88.5	85.1	82.3			143.1	
DATE 6-22-75		315	78.3	80.1	81.3	80.7	80.9	81.5	82.2	83.2	83.9	84.9	87.0	87.7	83.4	80.5			142.6	
RUN DBTF-MODEL 2		400	77.4	80.0	81.1	81.3	81.9	81.9	82.6	82.9	83.9	85.7	87.2	87.9	84.6	81.7			143.0	
TAPE X20060		500	76.0	79.0	80.1	81.2	81.2	82.4	83.0	83.6	84.4	86.0	87.2	87.7	84.9	82.1			143.1	
BAR 29.9 HG		630	76.4	80.1	80.2	80.7	81.1	82.7	83.6	85.1	85.9	87.1	88.6	88.7	86.4	84.0			144.2	
(J1039, N/M2)		800	77.2	81.5	82.0	82.3	83.1	84.9	84.6	86.4	87.0	87.9	89.3	89.9	87.3	86.1			145.5	
TAMB 59. DEG F		1000	76.6	81.9	82.7	83.2	84.9	85.8	86.2	87.4	88.4	88.8	89.3	90.6	88.1	86.8			146.4	
(288, DEG K)		1250	77.2	82.4	83.7	83.5	84.9	85.8	86.2	87.7	89.6	90.4	90.5	89.7	88.4	87.2			147.1	
TWET 53. DEG F		1600	75.2	81.8	82.9	83.3	85.0	85.5	86.5	87.4	88.3	89.4	89.6	89.0	86.7	85.6			146.5	
(285, DEG K)		2000	74.1	80.4	81.4	81.7	83.4	84.4	84.8	86.3	87.0	88.2	88.1	87.1	85.4	83.2			145.3	
HACT 8.91 GM/M3		2500	70.3	77.6	78.8	79.1	80.6	81.3	82.4	83.7	85.1	85.3	85.2	84.2	81.8	80.1			142.9	
(.00891 KG/M3)		3150	68.1	75.3	76.3	77.4	78.1	79.4	79.3	80.8	81.3	82.3	81.8	81.2	79.6	77.3			140.9	
FREQ. SHIFT		4000	63.7	71.3	72.3	73.3	74.4	75.9	76.5	78.4	78.3	79.5	78.9	77.3	76.6	73.9			138.1	
JET 9		5000	62.0	68.2	69.4	70.2	71.3	71.8	72.8	74.2	75.8	76.1	75.8	74.5	73.7	73.4			135.3	
DIAMETER RATIO		6300	58.9	64.9	66.1	66.7	67.8	69.4	69.4	71.6	72.1	73.7	75.2	73.7	73.3	74.7			134.4	
DF/DH 8.00		8000	58.3	61.5	62.1	62.9	66.7	68.7	67.1	70.2	69.4	72.3	76.4	75.3	74.8	77.1			136.3	
		10000	58.6	58.2	58.0	59.0	66.8	69.9	68.2	71.1	67.3	73.5	78.6	77.6	77.8	78.8			140.6	
OVERALL CALCULATED			89.6	92.4	93.5	93.7	94.8	95.6	96.3	97.5	98.7	100.0	101.1	103.2	103.3	102.9			158.1	
PNOB			97.7	102.5	103.6	103.9	105.3	106.2	106.8	108.2	109.1	110.3	110.9	111.0	109.5	108.0			152.4	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
REV. ALPHA 12/73		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)
NO EGA	50	52.3	53.1	53.8	54.5	55.2	56.0	56.7	57.4	58.1	58.8	59.5	60.2	60.9	61.6			
SIDELINE 2400. FT	63	52.9	55.9	58.7	58.5	60.2	61.5	64.0	64.6	66.2	66.5	67.4	71.7	73.1	69.1			
(731.52 M)	80	53.5	56.2	58.6	58.7	60.9	61.4	63.9	64.5	66.1	66.2	67.6	71.3	71.1	67.5			
NFA 0. RPM	100	53.0	56.8	59.2	60.6	62.1	62.1	63.9	66.2	66.9	68.6	69.7	70.7	69.3	66.2			
(- 0. RAD/SEC)	125	54.0	55.7	59.4	60.2	61.3	63.2	63.3	65.6	66.7	68.7	68.1	69.4	66.0	61.1			
NFK 0. RPM	160	52.9	55.8	59.1	60.0	61.4	63.3	64.7	65.6	66.1	67.6	68.9	69.9	64.4	57.8			
(- 0. RAD/SEC)	200	53.0	57.4	60.0	61.8	63.1	64.0	64.7	65.3	65.9	66.8	67.7	67.4	61.6	54.5			
NFD 0. RPM	250	54.0	56.5	59.0	62.0	63.6	64.0	64.0	65.0	65.4	65.3	66.6	66.0	60.0	53.3			
(- 0. RAD/SEC)	315	52.8	57.2	60.2	60.9	61.8	62.9	63.8	64.6	64.8	65.0	65.9	64.8	57.9	50.7			
AIRFLOW RATIO	400	51.3	56.7	59.6	61.1	62.6	63.0	63.9	64.1	64.5	65.5	65.8	64.6	58.5	51.0			
WF/WB 8.00	500	49.3	55.2	58.2	60.6	61.6	63.3	64.0	64.4	64.7	65.5	65.3	63.8	58.1	50.4			
	630	48.7	55.7	57.8	59.7	61.1	63.1	64.2	65.6	65.9	66.1	66.2	64.3	58.8	51.0			
VEHICLE JENOTS	800	48.5	56.2	58.9	60.7	62.5	64.8	64.7	66.2	66.4	66.3	66.2	64.6	58.6	51.4			
CONFIG JE#056	1000	46.5	55.6	58.8	60.8	63.6	65.0	65.6	66.6	67.1	66.5	65.4	64.3	57.9	50.1			
LOG EYENDALE	1250	45.4	54.7	58.6	60.2	62.7	64.3	64.8	66.2	67.4	67.1	65.5	62.0	56.6	48.0			
DATE 04-22-75	1600	41.0	52.3	56.3	58.7	61.6	62.8	64.0	64.7	64.9	64.8	63.0	59.5	52.5	42.8			
RUN DBTF-MODEL 2	2000	37.0	48.7	53.1	55.5	58.6	60.3	60.9	62.2	62.2	62.0	59.7	55.4	48.3	36.1			
TARE X20060	2500	29.0	42.7	47.8	50.6	53.7	55.3	56.7	57.7	58.2	56.8	54.3	49.3	40.5	26.7			
FAN-TIP SPEED	3150	20.0	35.2	41.0	45.2	47.8	50.2	50.4	51.6	51.3	50.2	46.6	41.2	31.5	13.8			
FT/SEC	4000	5.6	23.6	30.8	35.6	39.1	41.9	42.9	44.4	43.0	41.8	37.4	29.6	18.4				
	5000		16.0	24.2	29.3	33.3	35.1	36.5	37.4	37.6	35.2	30.6	22.3	9.7				
	6300			10.1	16.4	21.0	24.5	25.1	26.7	25.3	23.4	19.2	8.4					
	8000					6.7	11.3	10.6	12.9	9.5	7.6	3.8						
OVERALL CALCULATED	10000	63.7	68.0	71.1	72.5	74.2	75.5	76.5	77.5	78.3	78.9	79.0	80.3	78.6	74.2			
PND		65.4	72.7	76.5	78.7	81.1	82.5	83.5	84.4	84.8	84.9	83.9	82.0	76.6	70.1			

REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	180.	190.	200.	210.	220.
NO BGA	50	77.4	76.0	81.6	78.4	80.4	81.0	82.1	84.1	86.6	89.1	87.8	94.5	98.5	98.4					148.8
RCG. NO. 0	83	78.6	78.8	80.1	79.0	80.0	81.6	83.5	84.5	86.4	86.9	89.2	96.4	97.6	95.8					148.5
RADIAL 320, FY.	100	77.8	79.2	80.2	79.2	81.0	80.8	83.4	84.6	87.2	86.7	89.5	94.8	98.4	96.8					148.0
(98. M)	125	78.5	79.7	80.6	80.5	81.5	82.0	83.2	85.9	87.0	89.5	91.2	94.0	93.7	95.7					147.5
VEHICLE JENOTS	160	79.6	78.9	80.5	80.7	81.0	82.7	84.4	85.1	86.6	89.1	90.2	93.2	91.8	90.4					146.3
CONFIG JE#056	200	79.0	79.7	80.9	80.5	82.0	82.9	84.2	85.4	86.2	88.1	90.6	92.7	90.2	86.9					145.8
LOC EVENDALE	250	78.8	81.2	82.4	82.2	83.6	84.0	84.5	85.5	86.1	87.5	89.6	90.7	88.1	84.7					145.1
DATE 04-22-75	315	80.6	80.8	82.0	84.2	84.2	84.9	84.5	85.3	86.0	86.9	89.2	89.8	86.4	84.3					144.9
RUN DBTF-MODEL 2	400	80.1	83.1	84.5	83.2	83.1	84.2	84.7	86.2	86.1	87.6	89.0	89.7	86.2	83.8					145.0
TAPE X20070	500	79.6	83.2	84.3	84.5	84.9	85.2	85.6	86.7	86.9	88.7	90.0	90.4	87.4	86.3					146.0
BAR 29.9 HG	650	79.0	82.3	83.8	84.4	85.0	85.9	86.2	87.3	88.2	89.5	91.2	90.9	88.4	85.0					146.7
101039, N/42	800	80.1	83.9	84.2	84.5	85.6	86.7	88.1	88.9	89.9	91.9	93.1	93.0	89.9	88.9					148.4
TAMB 59, DEG F	1000	82.2	86.3	86.2	86.3	87.9	89.2	89.1	90.4	91.0	93.2	94.3	94.2	92.3	91.6					150.1
(288, DEG K)	1250	82.4	86.7	88.5	88.4	89.4	90.8	90.4	91.9	92.9	94.3	94.8	95.1	94.1	94.1					151.5
THET 53, DEG F	1600	83.2	87.1	88.4	88.7	90.2	91.1	91.2	93.0	94.3	95.6	95.6	95.7	94.9	95.7					152.5
(295, DEG K)	2000	82.2	87.0	88.9	88.6	90.5	90.7	91.5	93.4	93.8	95.7	94.6	95.3	95.0	95.1					152.5
HACT 8.91 GM/M3	2500	80.8	86.7	87.4	87.7	89.2	90.1	91.3	92.3	93.3	94.4	93.6	93.4	93.1	94.0					151.7
100891 KG/M3	3150	78.6	83.9	84.6	85.4	86.9	87.6	88.9	90.2	91.3	91.8	90.5	90.5	90.8	90.6					149.4
FREQ. SHIFT	4000	75.1	81.5	82.3	83.1	83.9	84.9	85.5	87.5	88.5	88.6	87.6	87.5	87.6	87.3					147.0
JET - 9	5000	71.5	77.5	78.3	79.5	79.9	81.9	82.5	84.7	84.8	86.0	84.4	84.0	84.3	83.2					144.4
DIAMETER RATIO	6300	68.7	74.4	75.9	76.7	77.0	78.1	79.0	80.9	81.8	82.3	81.0	80.0	80.7	80.4					141.4
DF/DH - 8.00	8000	65.4	70.9	72.1	73.2	73.9	74.6	75.1	77.1	77.8	80.2	78.2	77.7	78.0	77.7					139.5
OVERALL-CALCULATED	10000	62.3	68.2	68.9	69.9	70.2	70.7	71.6	74.5	74.7	79.3	77.4	76.8	76.8	77.6					139.5
PNDB	10000	60.1	67.4	66.7	68.5	69.0	69.1	69.7	72.4	70.8	81.5	78.6	78.3	77.8	78.5					142.7
		92.9	96.4	97.6	97.7	99.0	99.8	100.4	101.9	102.8	104.3	104.7	106.2	106.1	105.9					161.9
		103.0	107.6	108.6	109.0	110.4	111.1	111.9	113.3	114.2	115.6	115.3	115.7	115.1	115.1					163.2

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
REV. ALPHA 12/73 FREQ.		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)
-- NO EGA --		50	53.6	54.4	61.5	59.5	62.2	63.2	64.4	66.3	68.3	70.1	67.7	72.9	74.6	71.1	
SIDELINE 2400. FT		80	54.6	57.2	60.0	60.0	61.7	63.8	65.8	66.6	68.2	68.0	69.1	74.7	73.6	68.4	
-- (731.52 M) --		100	54.3	57.8	60.4	61.4	63.1	64.1	65.4	67.9	68.7	70.4	71.0	72.2	69.5	67.9	
NFA 0. RPM		125	55.2	56.9	60.2	61.5	62.6	64.7	66.5	67.1	68.2	69.9	69.9	71.2	67.5	62.4	
-- (0. RAD/SEC) --		160	54.4	57.6	60.4	61.2	63.4	64.8	66.2	67.3	67.6	68.8	70.1	70.6	65.6	58.6	
RFA 0. RPM		200	54.0	58.9	61.8	62.8	64.9	65.8	66.4	67.3	67.4	68.0	69.0	68.4	63.3	56.0	
-- (- 0. RAD/SEC) --		250	55.5	58.3	61.2	64.5	65.4	66.5	66.3	67.0	67.2	67.3	68.4	67.2	61.2	55.1	
NFD 0. RPM		315	54.5	60.2	63.4	63.4	64.1	65.6	66.3	67.6	67.0	67.7	67.9	66.8	60.6	53.9	
-- (- 0. RAD/SEC) --		400	53.5	59.9	62.9	64.4	65.6	66.3	66.9	67.8	67.5	68.5	68.5	67.1	61.3	55.6	
AIRFLOW RATIO		500	52.3	58.5	62.0	63.9	65.3	66.8	67.2	68.1	68.5	69.0	69.3	67.1	61.6	54.2	
-- WF/WB - 8.00 --		630	52.5	59.4	61.8	63.5	65.6	67.1	68.7	69.3	69.9	70.9	70.7	68.5	62.3	55.5	
		800	53.5	61.0	63.1	64.7	67.2	69.1	69.2	70.2	70.4	71.5	71.2	68.8	63.6	56.9	
VEHICLE -- JENOTS --		1000	52.3	60.3	64.5	66.1	68.1	70.0	69.8	71.1	71.6	72.0	70.9	68.8	63.9	57.4	
CONFIG JE#056		1250	51.4	59.5	63.4	65.4	68.0	69.5	69.8	71.4	72.2	72.3	70.6	68.0	63.1	56.5	
LCC EVENDALE		1600	48.0	57.5	62.3	64.0	67.1	68.0	69.0	70.7	70.4	71.1	68.0	65.8	60.7	52.3	
DATE 04-22-75		2000	43.7	55.0	59.1	61.5	65.1	66.1	67.4	68.2	68.5	68.3	65.2	61.7	56.0	46.8	
RUN DBTF=MODEL 2		2500	37.2	49.0	53.6	56.9	60.0	61.5	63.2	64.2	64.4	63.3	59.5	55.6	49.5	37.2	
TARE X20070		3150	27.0	41.5	47.0	51.0	53.6	55.7	56.6	58.3	58.3	56.4	52.3	47.4	39.5	23.8	
FAN TIP SPEED		4000	13.3	29.8	36.8	41.9	44.6	47.9	48.9	50.7	49.5	48.3	42.9	36.3	26.2	4.2	
FT/SEC		5000	4.7	22.2	30.7	35.8	38.8	41.3	42.7	44.2	43.6	41.4	35.8	27.8	16.7		
		6300		5.6	16.1	22.9	27.1	29.7	30.9	32.2	31.0	29.9	22.2	12.4			
		8000				5.1	10.2	13.3	15.1	17.1	14.7	14.6	4.8				
OVERALL CALCULATED		10000	65.7	70.9	74.3	75.6	77.7	79.0	79.8	81.0	81.5	82.2	81.8	82.4	80.2	76.1	
PNDB			68.9	77.1	81.3	83.1	85.8	87.1	88.2	89.4	89.5	89.9	88.1	86.4	81.4	74.0	

FULL SIZE SOUND PRESSURE-LEVELS SCALED FROM MODEL DATA (39, DEG, F, 70 PERCENT REL. HUM, DAY, W-JENOTS)

REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																0. 0. 0. PWL		
		30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.09)	130. (2.27)	140. (2.44)	150. (2.62)	160. (2.79)	170. (3.0)	180. (3.14)	190. (3.29)	200. (3.49)	210. (3.66)
NO EGA	50	78.7	77.5	86.3	80.4	81.7	82.5	83.8	85.3	87.6	90.3	89.3	96.0	99.5	98.4					149.8
RDG. NO. 0	83	79.6	80.6	82.1	80.5	82.2	83.6	85.2	86.0	88.2	88.7	90.5	97.1	98.6	96.8					149.6
RADIAL 320, FT.	80	79.8	81.2	82.0	80.7	82.2	82.8	85.4	86.4	88.2	88.5	91.0	94.3	97.2	96.6					149.0
(98. M)	100	80.2	81.4	82.4	82.8	84.0	83.5	85.4	87.4	89.0	91.0	93.0	95.8	95.0	95.5					148.9
VEHICLE JENOTS	125	81.1	81.1	83.0	83.2	83.3	84.7	86.4	86.8	88.1	90.6	92.5	94.9	92.1	90.4					147.8
CCNFIG - JENOTS	160	80.5	81.9	83.1	82.3	84.0	84.7	85.7	87.2	87.9	90.1	92.3	94.5	90.9	87.7					147.4
LCC EVENDALE	200	80.3	83.2	83.9	84.0	85.6	86.2	86.0	87.2	87.8	89.8	91.3	92.5	89.1	86.0					146.9
DATE 04-22-75	250	82.3	83.1	84.3	86.4	86.5	86.6	86.5	87.3	88.0	89.9	91.2	91.8	88.6	85.5					147.0
RUN DBTF-MODEL 2	315	81.8	84.8	86.8	86.0	86.4	87.0	88.0	88.4	88.6	89.9	91.5	92.0	88.4	85.8					147.5
TAPE X20080	400	81.4	85.7	86.8	87.3	87.6	88.4	88.8	88.9	89.6	92.2	92.5	92.7	90.1	87.9					148.7
BAR 29.9 HG	500	81.0	85.0	86.3	86.9	87.5	88.2	89.2	90.5	91.4	93.2	93.1	93.9	91.6	88.6					149.5
{01039, N/42}	630	81.8	86.1	87.2	87.4	88.4	89.4	90.6	91.4	93.2	95.3	95.6	95.7	93.6	91.2					151.3
TAMB 59, DEG F	800	83.9	89.0	89.7	89.8	90.6	91.6	92.3	93.1	94.2	96.6	96.8	97.4	95.8	94.3					153.1
{288, DEG K}	1000	84.6	89.9	90.9	91.1	92.6	93.2	93.3	94.8	96.1	97.3	98.0	98.6	98.0	97.0					154.6
THET 53, DEG F	1250	85.9	89.8	91.3	91.1	93.6	94.2	94.4	95.9	97.8	99.0	99.0	99.9	99.3	99.2					156.0
{285, DEG K}	1600	85.1	90.7	91.8	92.0	93.6	94.4	95.2	96.8	97.2	98.8	99.0	99.9	99.9	99.5					156.3
WACT 8.91 GH/M3	2000	84.5	89.8	91.0	91.4	93.5	93.5	93.2	96.4	96.9	97.8	97.5	98.8	99.0	98.1					155.8
{00891 KG/M3}	2500	82.5	89.5	89.7	90.0	91.3	91.5	93.1	94.4	96.0	95.7	95.6	96.9	97.9	97.7					154.4
FREQ. SHIFT	3150	79.0	87.4	87.9	88.3	88.5	89.0	89.9	91.7	92.5	92.8	91.5	93.1	94.0	94.4					151.7
JET	4000	75.9	85.5	85.8	85.5	85.5	86.1	86.9	89.1	89.0	89.7	88.3	89.7	90.5	89.7					149.3
DIAMETER RATIO	5000	73.4	82.6	82.6	83.9	84.0	83.3	83.2	85.4	86.0	85.0	84.5	85.7	87.6	87.1					146.8
DF/DH-8.00	6300	89.5	77.4	78.7	79.5	79.4	80.4	80.4	82.4	82.6	83.8	81.5	83.2	84.6	83.9					144.6
OVERALL BALCALC	8000	87.6	73.3	75.2	75.9	75.4	76.2	76.2	80.7	80.5	82.4	79.2	80.4	82.6	81.9					144.0
PNDB	10000	67.4	69.0	70.8	71.5	71.8	72.4	72.2	80.4	78.8	83.0	78.6	79.9	80.9	80.3					145.5
	10000	95.2	99.8	100.9	101.0	102.3	102.8	103.7	103.0	106.1	107.4	107.7	109.3	109.1	108.4					165.1
		106.1	112.0	112.7	112.9	114.1	114.4	115.5	117.0	118.1	118.9	118.7	120.1	120.3	119.6					166.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F, 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																(0.0) (0.0) (0.0)		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.					
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)					
REV. ALPHA 12/73	FREQ.	50	54.8	55.9	66.3	61.5	63.4	64.7	66.2	67.5	69.3	71.4	69.2	74.4	75.6	71.1				
NO SGA	83	55.6	58.9	62.0	61.5	64.0	65.8	67.5	68.1	69.9	69.7	70.4	75.5	74.6	69.4					
SIDELINE 2400. FT.	80	55.8	59.5	61.8	61.7	63.9	64.9	67.6	68.5	69.9	69.4	70.8	74.6	73.1	69.0					
(731.52 M)	100	56.0	59.6	62.2	63.6	65.6	65.6	67.6	69.4	70.7	71.9	72.7	73.9	70.8	67.7					
NFA 0. RPM	125	56.7	59.2	62.7	64.0	64.8	66.7	68.5	68.8	69.7	71.4	72.1	73.0	69.8	62.4					
(0. RAD/SEC)	160	55.9	59.8	62.6	63.0	65.4	66.6	67.7	69.1	69.4	70.8	71.9	72.4	66.4	59.8					
NFK 0. RPM	200	55.5	60.9	63.3	64.5	66.9	68.0	67.9	69.0	69.2	70.3	70.7	70.1	64.3	57.2					
(0. RAD/SEC)	250	57.2	60.5	63.5	66.8	67.6	68.2	68.3	68.9	69.2	70.3	70.3	69.2	63.5	56.3					
NFD 0. RPM	315	56.3	61.9	65.7	66.1	67.3	68.4	69.5	69.8	69.5	70.0	70.4	69.1	62.9	55.9					
(0. RAD/SEC)	400	55.2	62.4	65.4	67.1	68.3	69.5	70.1	70.1	70.3	72.0	71.0	69.4	64.0	57.2					
AIRFLOW RATIO	500	54.2	61.2	64.5	66.4	67.8	69.0	70.2	71.4	71.7	72.7	71.3	70.1	64.9	56.9					
WF/HM -8.00	630	54.2	61.6	64.8	66.4	68.3	69.9	71.2	71.8	73.1	74.3	73.2	71.3	66.0	58.2					
	800	55.2	63.7	66.6	68.2	69.9	71.5	72.4	73.0	73.6	75.0	73.7	72.0	67.0	59.6					
VEHICLE JENOTS	1000	54.5	63.5	66.9	68.8	71.3	72.4	72.8	74.0	74.8	74.9	74.1	72.5	67.9	60.3					
CCNF16 JE*056	1250	54.1	62.2	66.3	67.9	71.4	72.7	73.0	74.4	75.6	75.7	74.0	72.2	67.5	60.0					
LOC EVENDALE	1600	50.9	61.2	65.2	67.4	70.3	71.7	72.7	74.1	73.8	74.2	72.4	70.4	65.6	56.7					
DATE 04-22-75	2000	47.4	58.1	62.7	65.2	68.7	69.5	71.4	72.4	72.1	71.6	69.1	67.1	61.9	51.0					
RUN DBTF-MODEL 2	2500	41.1	54.6	58.7	61.5	64.4	65.4	67.3	68.3	69.1	67.2	64.7	62.0	56.6	44.8					
TARE X20080	3150	30.9	47.4	52.7	56.1	58.3	59.8	61.0	62.5	62.2	60.6	56.2	53.1	45.9	30.9					
FAN TIP SPEED	4000	17.8	37.7	44.2	47.8	50.2	52.1	53.3	55.1	53.7	52.0	46.8	42.0	32.4	11.1					
FT/SEC	5000	9.4	30.4	37.4	43.0	45.8	46.5	46.9	48.6	47.8	44.9	39.3	33.5	25.6						
	6300		12.1	22.6	29.1	32.6	35.5	36.2	37.5	35.8	33.5	25.5	18.0	3.4						
	8000			2.6	11.1	15.5	18.8	19.6	23.4	20.5	17.6	6.6								
	10000							5.7	0.5											
OVERALL CALCULATED		67.4	73.4	77.0	78.3	80.5	81.7	82.7	83.7	84.3	85.0	84.2	84.5	84.7	76.5					
PNOB		71.5	80.4	84.9	86.5	89.2	90.3	92.7	92.7	92.9	93.0	91.5	90.2	89.2	76.6					

PROC. DATE 1 MONTH 4 DAY 30 HR, 15.1
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS) -

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
REV. ALPHA 12/73		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
RDG. NO. EGA.		50	80.7	79.2	85.1	81.7	83.7	84.0	85.3	87.1	89.3	91.8	89.8	97.0	100.7	99.9	97.8	95.1	92.4	89.7
RDG. NO. 0.		63	81.1	81.8	83.6	82.8	84.0	85.4	87.2	88.0	89.7	90.7	93.5	99.1	100.3	97.8	95.1	92.4	89.7	87.0
RADIAL 320, FT.		80	81.3	83.0	84.2	82.7	84.5	84.5	87.4	88.1	89.9	90.5	93.2	97.6	99.2	96.1	93.4	90.7	88.0	85.3
(98, 4)		100	81.7	83.7	84.4	85.0	85.8	86.5	87.2	89.2	90.8	93.3	95.2	97.5	96.7	96.2	93.6	91.4	88.7	86.0
VEHICLE JENOTS		125	83.3	82.9	85.3	84.9	85.8	86.7	88.4	89.1	91.1	92.8	94.2	95.7	93.6	91.4	88.7	86.0	83.3	80.6
CONFIG JEP056		160	83.0	84.2	85.4	85.3	86.2	87.4	88.2	89.4	90.4	92.4	95.3	96.2	91.7	89.2	86.5	83.8	81.1	78.4
LCC EVENDALE		200	82.8	85.5	85.7	86.0	87.6	88.0	88.5	89.5	90.6	92.3	94.1	94.2	90.6	87.2	84.5	81.8	79.1	76.4
DATE 04-22-75		250	84.1	84.8	86.0	87.9	89.0	88.6	89.3	89.8	90.5	92.4	93.9	94.0	91.1	87.5	84.8	82.1	79.4	76.7
RUN DBTF-MODEL 2		315	83.8	87.3	89.0	88.0	88.4	89.0	89.7	90.7	91.8	94.1	94.0	93.7	90.7	87.5	84.8	82.1	79.4	76.7
TAPE X20090		400	84.1	87.9	89.6	89.5	90.1	90.4	90.8	91.9	92.6	95.2	94.7	94.9	92.9	89.9	87.2	84.5	81.8	79.1
BAR 29.9 HG		500	83.3	87.0	88.3	89.4	90.0	90.9	92.0	93.3	94.1	96.5	96.1	95.9	93.9	90.8	88.1	85.4	82.7	80.0
101039, N/M2		630	84.1	88.6	89.5	89.2	91.9	91.7	93.1	94.9	96.2	98.3	97.6	98.2	96.3	93.4	90.7	88.0	85.3	82.6
TAMB 59, DEG F		800	86.2	91.5	91.9	91.5	93.1	93.6	94.1	95.6	97.2	99.4	99.3	100.1	98.0	96.5	93.8	91.1	88.4	85.7
(288, DEG K)		1000	87.3	92.4	92.9	93.1	94.6	95.2	94.8	96.8	97.9	100.8	100.5	101.6	99.7	98.7	96.0	93.3	90.6	87.9
THET 53, DEG F		1250	88.1	93.1	93.6	94.4	96.1	96.5	96.6	98.7	99.8	101.3	101.0	102.1	101.3	100.7	98.0	95.3	92.6	89.9
(285, DEG K)		1600	87.6	93.9	94.5	94.7	96.1	96.6	97.9	99.3	99.7	101.3	101.2	102.2	101.6	101.3	98.6	95.9	93.2	90.5
HACT 8.91 GM/M3		2000	86.7	92.5	93.5	93.9	95.8	96.3	97.4	98.9	99.2	99.8	100.2	101.5	101.0	100.9	98.2	95.5	92.8	90.1
1.00891 KG/M3		2500	87.0	94.5	94.5	94.0	94.8	94.2	95.6	96.9	98.5	98.2	98.1	99.1	99.2	98.7	96.0	93.3	90.6	87.9
FREQ. SHIFT		3150	86.2	95.7	95.2	94.3	92.8	93.0	92.7	94.5	95.2	95.8	94.7	96.6	97.0	96.7	94.0	91.3	88.6	85.9
JET 9		4000	80.2	89.2	90.0	90.7	90.5	89.8	90.2	91.1	91.2	92.0	91.6	93.0	93.0	92.2	89.5	86.8	84.1	81.4
DIAMETER RATIO		5000	76.4	85.1	86.1	86.7	87.5	86.8	87.0	87.6	88.5	88.8	87.5	88.9	90.1	89.6	86.9	84.2	81.5	78.8
DF/DH 8.00		6300	73.7	82.9	83.4	83.0	82.9	83.4	83.4	84.6	84.9	86.3	84.5	86.2	87.6	86.4	83.7	81.0	78.3	75.6
OVERALL CALCULATED		8000	69.8	77.8	79.4	79.9	78.9	80.2	80.2	82.5	82.0	84.4	81.4	82.9	84.8	84.1	81.4	78.7	76.0	73.3
PNDB		10000	68.4	73.2	74.8	75.0	74.5	79.4	78.9	81.6	79.5	84.5	80.1	81.4	82.4	81.8	79.1	76.4	73.7	71.0
			97.9	103.3	103.9	103.9	104.9	105.3	106.0	107.5	108.5	110.1	110.1	111.5	111.0	109.9	107.2	104.5	101.8	99.1
			109.7	116.9	117.2	116.9	117.1	117.2	118.1	119.5	120.5	121.4	121.3	122.6	122.0	121.2	118.5	115.8	113.1	110.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)
REV. ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
	50	36.8	57.6	65.0	62.7	65.4	66.2	67.7	69.3	71.1	72.9	69.7	73.4	74.9	72.6	70.4	68.1	65.8	63.5
- NO EGA	63	57.1	60.2	63.5	63.8	65.7	67.5	69.5	70.1	71.4	71.7	73.4	77.5	76.4	70.4	68.1	65.8	63.5	61.2
SIDELINE 2400. FT	80	57.3	61.2	64.1	63.7	66.2	66.6	69.6	70.2	71.6	71.4	73.1	75.8	75.1	68.5	66.4	64.1	61.8	59.5
(731.52 M)	100	57.5	61.8	64.2	65.9	67.4	68.6	69.4	71.9	72.4	74.1	75.0	75.7	72.5	68.4	66.1	63.8	61.5	59.2
NFA 0. RPM	125	59.0	60.9	64.9	65.7	67.3	68.7	70.5	71.1	72.7	73.7	73.9	73.7	69.3	63.4	61.1	58.8	56.5	54.2
(- 0. RAD/SEC)	160	58.4	62.1	64.9	66.0	67.7	69.3	70.2	71.3	71.9	73.1	74.9	74.1	67.1	60.8	58.5	56.2	53.9	51.6
NFK 0. RPM	200	58.0	63.2	65.0	66.5	68.9	69.8	70.4	71.3	71.9	72.8	73.5	71.9	65.8	58.5	56.2	53.9	51.6	49.3
(- 0. RAD/SEC)	250	59.0	62.3	65.2	68.3	70.1	70.2	71.0	71.4	71.6	72.8	73.1	71.4	66.0	58.8	56.5	54.2	51.9	49.6
NFD 0. RPM	315	58.3	64.4	67.9	68.1	69.3	70.4	71.3	72.1	72.7	74.2	72.9	70.8	65.1	57.7	55.4	53.1	50.8	48.5
(- 0. RAD/SEC)	400	58.0	64.6	68.1	69.3	70.8	71.5	72.1	73.1	73.3	75.0	73.3	71.6	66.8	59.2	56.9	54.6	52.3	50.0
AIRFLOW RATIO	500	56.5	63.2	66.5	68.9	70.3	71.7	72.9	74.4	74.5	76.0	74.3	72.1	67.1	59.2	56.9	54.6	52.3	50.0
WF/HM 8.00	630	56.5	64.1	67.1	68.2	70.8	72.1	73.7	75.3	76.1	77.3	75.2	73.8	68.7	60.5	58.2	55.9	53.6	51.3
	800	57.4	66.2	68.8	69.9	72.4	73.5	74.1	75.5	76.6	77.7	76.2	74.8	69.3	61.9	59.6	57.3	55.0	52.7
VEHICLE - JENOTS	1000	57.2	66.0	68.9	70.8	73.3	74.4	74.3	76.0	76.5	78.4	76.6	75.2	69.6	62.1	59.8	57.5	55.2	52.9
CONFIG JE#056	1250	56.3	65.4	68.6	71.1	73.9	75.0	75.3	77.1	77.6	78.0	76.0	74.5	69.5	61.5	59.2	56.9	54.6	52.3
LOC EVENDALE	1600	53.4	64.4	68.0	70.1	72.8	73.9	75.5	76.6	76.3	76.7	74.7	72.7	67.4	58.4	56.1	53.8	51.5	49.2
DATE 04-22-75	2000	49.6	60.8	65.2	67.7	71.0	72.2	73.6	74.9	74.4	73.6	71.9	69.8	63.9	53.7	51.4	49.1	46.8	44.5
RUN DBTF-MODEL-2	2500	45.6	59.6	63.5	65.5	67.9	68.2	69.8	70.8	71.6	69.7	67.2	64.2	57.9	45.8	43.5	41.2	38.9	36.6
TARE X20090	3150	38.2	55.6	60.0	62.1	62.5	63.8	63.8	65.2	64.9	63.6	59.5	56.6	48.9	33.2	30.9	28.6	26.3	24.0
FAN TIP SPEED	4000	22.0	41.5	48.5	53.0	55.2	55.8	56.6	57.1	55.9	55.3	50.0	45.2	34.9	13.4	11.1	8.8	6.5	4.2
FT/SEC	5000	12.4	32.9	40.9	45.8	49.3	50.0	50.7	50.9	50.3	47.9	42.3	36.7	28.1	2.3	0.0	0.0	0.0	0.0
	6300		17.6	27.4	32.6	36.1	38.5	39.2	39.7	38.1	36.0	28.5	21.0	6.4	0.0	0.0	0.0	0.0	0.0
	8000			6.8	15.1	19.0	22.8	23.6	25.1	22.0	19.6	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10000						4.6	5.3	6.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVERALL CALCULATED		89.6	75.8	79.1	80.6	82.8	83.9	84.9	86.2	86.7	87.6	86.6	86.4	83.4	77.5	75.2	72.9	70.6	68.3
PND8		74.1	83.6	87.3	89.3	91.7	92.9	94.0	95.3	95.3	95.7	94.0	92.4	87.2	78.5	76.2	73.9	71.6	69.3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE = MONTH 4 DAY 30 HR 15.1
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
REV	ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.14)	(3.29)	(3.49)	(3.69)
		50	82.9	81.5	80.6	83.7	85.7	86.7	87.3	89.3	91.6	93.8	93.0	103.5	104.0	100.9					154.7
		63	84.1	84.6	86.1	85.0	86.5	87.9	89.2	90.5	92.2	93.4	96.2	104.9	102.8	99.6					155.1
RDG	NO BGA	80	83.8	85.2	86.2	85.2	86.5	87.0	89.4	90.6	92.7	93.5	96.5	104.3	101.4	97.8					154.5
		100	84.2	85.9	87.1	87.5	88.5	88.5	90.2	92.1	93.8	96.3	98.2	104.0	99.2	98.0					154.7
		125	86.1	85.4	87.5	87.7	87.8	89.4	90.9	91.6	93.6	96.8	97.7	102.9	98.9	93.4					153.9
		160	85.5	86.7	87.6	87.5	88.7	89.9	90.9	92.7	93.4	96.4	98.3	102.7	94.7	91.7					153.8
CONFIG	JENOTS	200	85.1	87.7	87.9	88.2	89.6	90.5	91.8	92.7	93.8	96.3	97.1	101.0	94.4	90.0					153.1
		250	86.8	87.3	88.0	90.2	90.5	91.4	91.5	92.6	94.5	96.1	97.4	101.0	94.4	91.0					153.3
LOC	EVENDALE	315	86.8	89.3	90.5	89.5	90.6	91.2	92.5	93.2	94.8	96.9	96.5	101.2	93.9	91.0					153.6
DATE	04-22-75	400	86.6	90.2	90.6	91.3	92.1	92.9	93.8	94.7	95.9	98.4	98.0	102.7	95.9	91.9					155.0
RUN	DBTF-MODEL 2	500	85.8	89.0	90.3	90.9	92.2	93.2	94.7	95.5	97.4	99.5	98.6	103.1	97.1	94.1					153.8
TAPE	X20100	630	87.3	91.4	91.2	91.2	92.6	94.4	95.9	97.4	99.7	100.8	100.6	105.0	99.3	96.9					157.6
BAR	29.9 HG	800	88.9	93.5	92.7	93.5	94.1	95.9	96.3	98.1	100.0	101.6	101.6	106.1	101.3	99.0					158.7
	(01039, N/42)	1000	89.3	94.4	94.6	94.9	96.1	96.9	97.1	98.8	100.6	102.8	102.3	107.8	102.2	101.0					159.9
TAMB	59, DEG F	1250	90.9	94.6	94.3	95.4	97.6	97.5	98.4	99.9	101.5	103.0	103.3	108.1	103.8	102.9					160.9
	(288, DEG K)	1600	90.6	95.2	95.5	96.0	96.9	97.9	99.2	100.3	101.7	103.1	103.0	108.2	104.1	103.5					161.2
TKET	53, DEG F	2000	91.3	96.0	96.3	95.6	97.3	97.8	99.2	100.4	101.7	103.3	101.7	106.5	103.0	101.9					160.4
	(285, DEG K)	2500	91.2	98.3	97.7	96.0	96.8	96.2	97.8	98.9	99.5	99.7	99.6	104.4	99.9	98.3					159.2
HACT	8.91 GH/M3	3150	89.2	96.2	97.4	97.0	96.5	95.3	98.7	97.0	97.2	96.8	96.5	101.6	97.7	95.7					157.8
	(100891 KG/M3)	4000	83.4	89.7	91.5	92.0	93.0	93.8	93.2	93.6	93.0	93.9	93.8	98.5	95.0	91.7					155.1
FREQ	SHIFT	5000	81.2	87.9	88.6	88.7	88.2	88.8	89.0	90.4	90.2	90.5	89.7	94.4	92.1	89.9					151.9
JET	-9	6300	77.7	84.7	86.2	86.2	85.6	85.7	85.9	87.1	87.1	88.0	86.5	92.5	89.1	85.9					150.3
DIAMETER RATIO		8000	74.1	81.0	82.7	82.4	82.4	82.7	82.4	84.7	84.5	86.4	83.7	90.4	86.6	83.9					149.6
DF/DH	8.00	10000	70.6	76.0	79.3	80.0	80.3	80.4	80.4	83.4	81.3	85.5	81.4	89.6	83.6	81.8					150.4
OVERALL CALCULATED			100.9	105.5	105.9	105.7	106.7	107.2	108.2	109.5	110.8	112.2	112.4	117.6	113.5	111.5					170.5
PNRB			113.2	118.8	119.4	119.1	119.4	119.3	120.4	121.5	122.4	123.3	123.3	128.3	124.1	122.3					171.8

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	0°	0°	0°
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
REV. ALPHA 12/73 - FREQ.	50	59.1	59.9	68.5	64.7	67.4	68.9	69.7	71.5	73.3	74.9	76.1	81.9	80.1	73.6			
NO EGA	63	60.1	62.9	66.0	66.0	68.2	70.0	71.5	72.6	73.9	74.5	76.1	83.2	78.9	72.1			
SIDELINE 2400' FT.	80	59.8	63.5	66.1	66.2	68.2	69.1	71.6	72.7	74.4	74.4	76.3	82.6	77.4	70.2			
(731.52 M)	100	60.0	64.1	66.9	68.4	70.1	70.6	72.4	74.2	75.4	77.1	78.0	82.2	75.0	70.2			
NFA 0. RPM	125	61.7	63.4	67.2	68.5	69.3	71.4	73.0	73.6	75.2	77.7	77.4	81.0	72.5	65.4			
(0. RAD/SEC)	160	60.9	64.6	67.1	68.2	70.2	71.8	72.9	74.6	74.9	77.1	77.9	80.6	70.1	63.8			
NFK 0. RPM	200	60.2	65.4	67.3	68.8	70.9	72.3	73.7	74.5	75.2	76.8	76.5	78.6	69.6	61.2			
(-0. RAD/SEC)	250	61.7	64.8	67.2	70.5	71.6	73.0	73.3	74.2	75.6	76.5	76.6	78.4	69.2	61.6			
NFD 0. RPM	315	61.3	66.4	69.4	69.6	71.6	72.6	74.0	74.6	75.7	77.0	75.4	78.3	68.4	61.1			
(-0. RAD/SEC)	400	60.5	66.9	69.1	71.1	72.8	74.0	75.1	75.8	76.5	78.2	76.5	79.4	69.8	61.2			
AIRFLOW RATIO	500	59.0	65.2	68.5	70.4	72.6	74.0	75.7	76.4	77.7	79.0	76.8	79.3	70.4	62.4			
WF/WH -8.00	630	59.7	66.9	68.8	70.2	72.5	74.9	76.5	77.8	79.6	79.8	78.2	80.5	71.7	64.0			
	800	60.2	68.2	69.6	71.9	73.4	75.8	76.4	78.0	79.3	80.0	78.4	80.8	72.5	64.4			
VEHICLE - JENOTS	1000	59.2	68.0	70.7	72.5	74.8	76.2	76.5	78.0	79.3	80.4	78.3	81.0	72.1	64.3			
CCNFIG JE#056	1250	59.1	66.9	69.3	72.1	75.4	76.0	77.0	78.4	79.3	79.7	78.2	80.5	72.0	63.7			
LCC EVENDALE -	1600	56.4	65.7	69.0	71.4	73.5	75.2	76.7	77.6	78.3	78.5	76.4	78.7	69.9	60.7			
DATE 04-22-75	2000	54.1	64.3	68.0	69.4	72.5	73.7	75.4	76.4	75.9	75.2	73.4	74.8	65.9	54.7			
RUN DBTF-MODEL 2	2500	49.9	63.4	66.7	67.5	69.9	70.2	72.1	72.8	72.6	71.2	68.7	69.5	58.6	45.1			
TAPE - K20100	3150	41.2	56.1	62.2	64.9	66.3	66.1	66.8	67.7	66.9	64.6	61.2	61.6	49.7	32.2			
FAN TIP SPEED -	4000	25.3	42.0	50.0	54.3	57.7	59.8	59.6	59.6	57.7	56.3	52.3	50.7	36.9	13.1			
FT/SEC	5000	17.2	35.7	43.4	47.8	50.0	52.0	52.7	53.6	52.0	49.6	44.5	42.2	28.1	2.5			
	6300		19.4	30.1	35.9	38.8	40.8	41.7	42.2	40.3	37.7	30.5	27.2	7.9				
	8000			10.1	17.6	22.5	25.3	25.9	27.4	24.5	21.6	11.1	5.0					
	10000					2.0	5.6	6.8	8.7	3.0	0.7							
OVERALL CALCULATED		72.2	78.0	80.9	82.4	84.6	85.9	87.2	88.3	89.4	90.2	89.3	92.8	86.2	79.3			
PNDB		77.2	86.1	89.5	91.1	93.5	94.8	96.2	97.2	97.6	97.9	96.3	98.8	89.9	80.8			

REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	
NO EGA	50	78.9	77.2	87.8	79.7	81.2	81.7	83.6	85.8	89.1	91.3	91.3	97.5	101.0	100.6			151.4
REG. NO. 0	83	80.1	79.8	81.3	79.0	80.5	81.6	83.7	85.0	86.7	87.9	90.5	98.1	99.8	97.6			150.2
RADIAL 320, FY.	100	79.2	80.4	80.4	81.0	82.3	82.3	83.4	86.4	87.8	90.5	93.5	96.0	96.0	98.7			150.5
{ 98.4 }	125	80.1	78.9	81.0	81.4	81.5	82.9	84.9	86.3	87.6	90.6	92.0	95.7	94.1	93.7			148.1
VEHICLE JENOTS	160	78.5	79.7	80.1	80.5	81.7	83.4	84.7	86.2	87.7	90.1	93.1	95.2	92.9	89.7			147.7
CONFIG - JE*056	200	78.6	80.7	80.9	81.8	83.1	84.0	85.0	86.0	86.8	89.0	91.6	92.5	90.1	87.0			146.3
LCC EVENDALE	250	80.1	80.3	80.8	83.7	84.0	84.1	84.5	85.3	86.5	88.1	90.9	91.3	88.1	85.0			145.6
DATE 04-22-75	315	79.1	80.8	82.3	81.5	81.9	82.7	84.0	85.2	86.1	87.9	89.3	90.0	85.9	82.8			144.6
RUN DBTF-MODEL 2	400	78.6	81.5	82.3	83.0	82.9	83.4	84.1	85.4	85.9	87.9	89.7	89.9	86.6	83.9			145.0
TAPE X20110	500	77.0	81.1	82.1	82.2	83.8	84.4	84.7	86.1	86.4	88.5	88.9	88.2	86.9	84.4			145.1
BAR 29.9 HG	630	77.9	81.4	82.0	82.5	83.2	85.0	85.9	86.9	87.4	89.6	90.6	90.7	88.4	86.5			146.2
101039, N/42	800	78.5	82.8	83.0	84.3	85.1	86.7	86.4	88.1	88.5	90.2	91.4	91.4	89.6	88.3			147.3
TAMB 59, DEG F	1000	78.9	84.2	84.5	84.9	86.2	87.0	87.9	89.9	90.2	90.8	91.6	91.9	90.1	90.8			148.4
(288, DEG K)	1250	79.2	84.2	84.9	85.7	87.2	87.6	88.4	89.3	91.1	92.4	91.3	91.2	90.7	91.5			148.9
THET 53, DEG F	1600	77.7	83.8	84.4	85.4	87.3	87.5	89.3	89.6	90.3	91.9	91.3	91.0	90.0	90.2			148.8
(288, DEG K)	2000	76.1	82.9	83.4	83.8	86.2	86.2	88.1	89.1	89.3	89.7	89.6	89.2	88.2	88.0			147.6
WACT 8.91 GM/M3	2500	72.6	79.4	80.4	81.4	82.7	83.1	85.0	86.5	87.4	87.6	86.6	86.1	84.6	84.4			145.2
{ 00891 KG/M3 }	3150	69.6	76.6	78.1	78.7	79.7	80.2	81.1	83.6	84.1	83.9	82.9	82.8	81.9	80.8			142.4
FREQ. SHIFT	4000	65.3	72.9	73.7	74.6	74.9	76.7	78.1	80.0	80.1	80.9	79.3	78.9	77.9	76.3			139.4
-JET - 9	5000	62.1	69.8	71.3	72.1	71.9	72.7	73.9	75.5	76.4	76.7	74.6	75.0	75.0	74.5			136.0
DIAMETER RATIO	6300	58.5	65.0	67.5	68.3	68.7	68.7	70.8	72.2	72.2	73.9	70.6	74.6	74.2	74.8			134.4
BF/DM - 0.00	8000	56.4	61.3	65.2	67.0	67.0	67.3	67.7	70.3	69.3	73.7	68.7	75.7	75.9	77.2			135.9
	10000	55.4	58.3	65.1	67.1	67.8	68.2	68.0	70.9	68.1	74.9	68.9	78.2	78.2	79.4			140.0
OVERALL CALCULATED		91.2	94.1	95.6	95.5	96.7	97.4	98.5	99.9	100.9	102.5	103.7	106.3	108.8	106.6			160.8
PND8		99.4	104.4	105.4	105.8	107.3	107.8	109.2	110.6	111.2	112.3	112.4	113.2	118.1	111.8			162.1

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
REV. ALPHA-12/73--FREQ.		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.14)	(3.49)	(3.84)
---	NO EGA	50	55.1	55.6	67.8	60.7	62.9	63.9	65.9	69.0	70.8	72.4	71.2	75.9	77.1	73.3		
---	SIDELINE 2400, FT.	80	56.1	58.2	61.2	60.0	62.2	63.8	66.0	67.1	68.4	69.0	70.4	76.5	75.9	70.1		
---	(731.52 MI)	100	55.5	58.2	60.1	60.4	62.7	63.4	65.9	67.5	69.4	69.4	72.1	75.6	73.1	72.7		
---	NFA 0. RPM	125	55.0	58.6	60.2	61.9	63.9	64.3	65.6	68.4	69.4	71.4	73.2	74.2	71.8	70.9		
---	(---0. RAD/SEC)	150	55.7	56.9	60.7	62.2	63.1	64.9	67.0	68.3	69.2	71.4	71.6	73.7	69.8	65.7		
---	NFK 0. RPM	200	53.9	57.6	59.6	61.2	63.2	65.3	66.7	68.1	69.1	70.8	72.6	73.1	68.4	61.3		
---	(---0. RAD/SEC)	250	53.8	58.4	60.3	62.3	64.4	65.8	66.9	67.8	68.2	69.5	71.0	70.1	65.3	58.2		
---	NFD 0. RPM	315	55.0	57.8	60.0	64.0	65.1	65.7	66.3	67.0	67.7	68.5	70.1	68.7	63.0	55.8		
---	(---0. RAD/SEC)	400	53.5	57.9	61.2	61.6	62.8	64.1	65.5	66.6	67.0	68.0	68.2	67.1	60.4	52.9		
---	AIRFLOW RATIO	500	52.5	58.2	60.9	62.9	63.6	64.5	65.4	66.6	66.5	67.8	68.3	66.6	60.5	53.3		
---	WF/WB 8.00	630	50.3	57.2	60.2	61.7	64.1	65.3	65.7	66.9	66.8	68.0	67.1	65.4	60.1	52.7		
---		800	50.2	56.9	59.6	61.5	63.1	65.4	66.5	67.3	67.4	68.6	68.2	66.3	60.8	53.3		
---	VEHICLE JENOTS	1000	49.7	57.5	59.9	62.7	64.5	66.6	68.4	68.0	67.9	68.5	68.2	66.1	60.8	53.2		
---	CONFIG JE#056	1250	48.8	57.8	60.5	62.6	64.9	66.3	67.4	69.1	68.9	68.5	67.6	65.5	60.0	54.2		
---	LOG EVENDALE	1600	47.4	56.5	59.9	62.5	63.0	66.1	67.1	67.7	68.9	69.1	66.3	63.6	58.9	52.8		
---	DATE 04-22-75	2000	43.5	54.3	57.9	60.8	63.9	64.8	66.8	67.0	67.0	67.3	64.8	61.5	55.8	47.3		
---	RUN DBTF-MODEL-2	2500	39.0	51.2	55.1	57.6	61.4	62.1	64.2	65.0	64.5	63.5	61.3	57.5	51.1	40.9		
---	TAPE X20110	3150	31.3	44.5	49.4	52.9	55.8	57.1	59.2	60.5	60.5	59.2	55.6	51.2	43.3	31.0		
---	FAN TIP SPEED	4000	21.6	36.6	42.9	46.5	49.4	51.0	52.2	54.4	53.8	51.7	47.7	42.7	33.8	17.3		
---	FT/SEC	5000	7.2	25.2	32.1	36.9	39.6	42.7	44.5	46.0	44.8	43.2	37.7	31.1	19.8			
---		6300		17.6	26.0	31.2	33.6	35.9	37.6	38.8	38.2	35.8	29.4	22.9	11.0			
---		8000			11.5	18.0	21.9	23.9	26.5	27.3	25.4	23.5	14.6	9.3				
---		10000				2.2	7.0	9.9	11.2	13.0	9.3	8.9						
---	OVERALL CALCULATED		65.4	69.6	73.5	74.1	76.0	77.3	78.6	79.9	80.6	81.7	82.1	83.7	82.2	78.5		
---	PND8		67.0	74.5	78.1	80.5	83.1	84.3	86.0	86.8	87.0	87.4	86.2	84.6	79.9	74.8		

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHI		
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	0°	0°	0°
REV.	ALPHA 12/73	FREQ.	(0.92)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(0.0)	(0.0)	(0.0)
		50	79.9	78.2	80.1	81.2	82.2	82.5	84.3	86.8	89.3	91.8	94.5	98.3	101.7	101.1	101.1			151.9
	NO EGA	63	81.1	81.8	81.6	80.5	82.0	83.4	85.0	86.2	88.2	89.2	92.0	99.1	101.3	98.6				151.4
	REG. NO. 01	80	81.6	81.2	82.0	80.7	82.0	82.5	85.4	86.6	88.7	89.5	92.5	98.3	100.4	98.8				151.0
	RADIAL 320 FT	100	80.5	81.7	82.1	82.5	83.5	83.8	85.4	87.6	89.0	91.8	94.2	97.3	97.5	97.7				150.3
	(98. M)	125	81.1	80.6	82.3	82.2	83.0	84.2	85.9	87.1	88.9	91.3	93.0	95.7	93.9	92.2				148.5
	VEHICLE JENOTS	160	80.2	80.7	82.4	81.8	83.0	84.4	85.9	87.7	88.2	90.6	93.3	95.7	91.9	88.9				148.1
	CONFIG JENOTS	200	79.3	82.0	83.2	83.5	84.8	85.5	86.0	87.2	87.8	89.8	92.1	93.2	86.6	86.5				147.1
	LOC EVENDALE	250	81.6	82.3	83.5	85.2	86.2	86.1	86.3	87.3	87.5	88.6	91.2	91.8	88.1	85.5				146.6
	DATE 04-22-75	315	80.6	83.3	85.3	84.5	84.4	86.0	86.0	86.9	87.6	89.9	90.5	91.2	87.2	84.3				146.4
	RUN DBTF-MODEL 2	400	80.6	84.2	85.8	85.8	85.9	86.4	87.3	88.4	87.9	90.9	91.5	92.2	88.4	86.2				147.5
	TAPE X20120	500	79.8	83.8	85.1	85.4	86.5	87.4	88.2	89.1	88.9	91.5	92.2	92.4	89.4	87.1				148.1
	BAR 29.9 HG	630	80.4	83.9	85.2	86.2	87.2	88.5	89.4	90.1	90.9	93.6	94.1	94.2	91.6	89.7				149.8
	01039 N/42	800	82.0	86.0	87.5	88.3	88.9	89.9	90.4	91.6	91.5	94.9	95.6	95.9	94.3	92.3				151.4
	TAMB 59 DEG F	1000	82.7	88.0	88.7	89.2	90.4	91.3	91.2	93.1	93.4	95.8	96.3	96.9	96.1	94.3				152.7
	(288 DEG K)	1250	83.7	87.7	89.7	90.2	91.7	92.1	92.2	94.3	95.4	97.1	96.6	98.0	96.7	96.3				153.9
	TWET 53 DEG F	1600	83.2	87.8	89.4	89.9	91.5	92.2	93.3	94.6	95.3	96.9	96.8	97.3	97.5	96.4				154.1
	(285 DEG K)	2000	81.1	87.4	88.4	89.0	90.9	91.4	92.8	94.1	94.8	96.0	95.6	95.9	95.4	96.0				153.4
	WACT 8.91 GM/H3	2500	78.9	85.7	86.1	86.7	87.9	88.6	90.5	91.8	92.9	93.1	93.3	93.3	93.9	93.7				151.3
	(100891 KG/H3)	3150	75.4	81.8	83.3	83.9	84.9	85.7	86.8	88.9	89.9	90.2	88.9	90.0	89.9	89.8				148.5
	FREQ. SHIFT	4000	71.6	78.6	79.7	80.6	81.2	82.7	83.8	85.7	85.9	87.4	86.3	86.1	86.4	85.3				145.8
	JET 9	5000	69.1	76.0	77.3	78.3	78.6	78.9	79.4	82.0	82.9	82.9	81.9	82.0	83.0	84.5				142.7
	DIAMETER RATIO	6300	66.3	72.5	74.0	74.3	74.7	75.5	76.3	78.0	79.5	80.9	78.9	79.6	79.4	84.3				141.1
	DF/DH 0.00	8000	65.9	69.6	70.0	71.2	71.5	71.5	72.2	75.1	77.0	80.7	77.5	78.2	78.6	86.2				141.0
		10000	66.9	67.5	66.8	68.8	69.6	69.4	70.0	72.4	77.4	82.6	77.9	79.2	78.7	88.4				145.4
	OVERALL CALCULATED		93.9	97.4	98.7	99.1	100.3	101.0	101.9	103.4	104.2	106.0	106.6	108.7	109.0	107.0				163.8
	PNDP		103.7	108.7	109.7	110.3	111.6	112.3	113.4	114.8	115.7	117.2	117.2	118.0	117.5	117.6				165.1

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM., DAY)

		IN DEGREES (AND RADIANS)																												
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°	250°	260°	270°	280°	290°	300°	
REV, ALPHA 12/73 - FREQ.		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)	(3.85)	(4.02)	(4.19)	(4.37)	(4.54)	(4.71)	(4.89)	(5.06)	(5.23)	(5.41)
50		56.1	56.6	60.0	62.2	63.9	64.7	66.7	69.0	71.1	72.9	71.5	76.7	77.9	73.8															
NO EGA		57.1	60.2	61.5	61.5	63.7	65.5	67.3	68.9	69.9	70.2	71.9	77.5	77.4	71.1															
SIDELINE 2400' FT		57.5	59.5	61.8	61.7	63.7	64.6	67.6	68.7	70.4	70.4	72.3	76.6	76.4	71.2															
(731.52 M)		56.3	59.8	61.9	63.4	65.1	65.8	67.6	69.7	70.7	72.7	74.0	75.4	73.3	69.9															
NFA 0, RPM		56.7	58.7	61.9	63.0	64.6	66.2	68.0	69.1	70.4	72.2	72.6	73.7	69.5	64.2															
(0, RAD/SEC)		55.7	58.6	61.9	62.5	64.4	66.3	67.9	69.6	69.6	71.3	72.9	73.6	69.4	60.6															
KFK 0, RPM		54.5	59.7	62.5	64.0	66.2	67.3	67.9	69.0	69.2	70.3	71.5	70.9	64.8	57.7															
(0, RAD/SEC)		56.5	59.8	62.7	65.5	67.4	67.7	68.0	69.0	68.7	69.0	70.4	69.2	63.0	56.3															
NFB 0, RPM		55.0	60.4	64.2	64.6	69.3	67.4	67.5	68.3	68.5	70.0	69.4	68.3	61.6	54.4															
(0, RAD/SEC)		54.5	60.9	64.4	65.6	66.6	67.9	68.6	69.6	68.5	70.8	70.0	68.9	62.3	55.5															
AIRFLOW RATIO		53.0	60.0	63.2	64.9	66.8	68.3	69.2	69.9	69.3	71.0	70.3	68.6	62.6	55.9															
WF/HM 8.00		52.7	59.4	62.8	65.2	67.1	68.9	70.0	70.6	70.9	72.6	71.7	69.8	64.0	56.8															
800		53.2	60.7	64.4	66.7	68.2	69.8	70.4	71.5	70.9	73.3	72.5	70.6	65.6	57.7															
VEHICLE - JENOTS		52.5	61.6	64.8	66.8	69.1	70.5	70.6	72.4	72.1	73.5	72.4	70.5	66.0	57.7															
CONFIG JEN056		51.9	60.0	64.7	67.0	69.5	70.6	70.9	72.7	73.2	73.8	71.6	70.3	64.9	57.1															
LCS EVENDALE		49.0	58.3	62.9	65.3	68.1	69.6	71.1	72.0	72.0	72.3	70.3	67.8	63.3	53.6															
DATE 04-22-75		44.0	55.7	60.1	62.8	66.1	67.4	69.0	70.0	70.0	69.8	67.3	64.2	58.3	48.9															
RUN DBTF-MODEL 2		37.6	50.8	55.1	58.2	61.0	62.6	64.7	65.7	66.0	64.7	62.3	58.4	52.5	40.2															
TARE X20120		27.3	41.8	48.1	51.8	54.7	56.5	58.0	59.6	59.6	58.0	53.7	50.0	41.8	26.3															
FAN TIP SPEED		13.4	30.9	38.1	42.9	45.9	48.7	50.2	51.8	50.6	49.7	44.7	38.4	28.3	6.7															
FT/SEC		5.1	23.8	32.0	37.4	40.4	42.2	43.1	45.3	44.7	42.0	38.6	29.9	19.0																
6300			7.2	18.0	24.0	27.9	30.6	32.0	33.1	32.7	30.5	22.8	14.3																	
8000					6.5	11.5	14.2	15.7	17.7	17.1	15.9	4.9																		
10000																														
OVERALL CALCULATED		67.1	72.0	75.3	77.0	79.0	80.3	81.4	82.6	82.9	84.1	83.9	85.1	83.4	78.3															
PNDB		69.9	78.0	82.2	84.5	87.0	88.4	89.8	90.9	90.9	91.5	90.2	88.7	83.9	75.8															

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			PWL
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	0.	0.	
REV.	ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	(0.)	
---	NO EGA	50	81.7	80.5	84.3	82.9	84.2	84.7	86.3	86.6	88.3	90.6	92.8	93.0	103.7	102.6					153.6
---	RDG. NO.	83	82.6	83.6	83.8	83.5	84.0	85.6	87.5	89.0	90.4	91.2	94.7	101.1	103.3	100.3					153.5
---	RADIAL 320. FT.	80	83.1	83.5	84.0	82.7	84.5	84.5	87.6	88.9	90.9	91.5	94.7	99.8	101.9	100.3					152.7
---	(98. M)	100	82.5	83.7	84.1	85.0	85.5	85.8	87.4	89.9	91.3	92.0	96.2	99.0	101.9	99.7					152.1
---	VEHICLE JENOTS	125	83.6	82.4	84.5	84.9	85.0	86.4	88.2	89.6	90.9	92.8	95.5	97.2	95.6	93.7					150.4
---	CONFIG JENOTS	140	82.5	83.2	84.6	84.5	85.7	86.9	88.4	89.2	90.4	93.1	95.6	97.7	93.9	90.7					150.3
---	LOC EVENDALE	200	81.8	84.2	84.7	85.5	86.6	87.8	88.3	88.8	90.6	92.0	94.6	95.5	92.1	88.2					149.3
---	DATE 04-22-75	250	83.1	83.9	85.8	87.7	88.0	88.1	89.3	89.4	90.3	91.9	93.7	94.8	90.4	87.1					149.1
---	RUN DBTF-MODBL 2	315	82.3	85.1	87.8	87.0	87.4	88.5	89.0	89.7	90.3	91.9	93.3	94.2	90.2	87.0					149.1
---	TARE X20130	400	82.9	86.0	88.4	89.0	88.9	88.4	90.1	90.5	90.9	93.4	94.0	94.7	91.9	89.3					150.2
---	BAR 29.9 HG	500	82.1	85.8	88.1	88.9	89.8	90.2	90.8	91.8	92.9	94.8	94.9	95.2	92.7	90.4					151.1
---	#01039, N/M2	630	82.9	86.2	88.0	89.5	89.9	91.7	91.9	93.7	94.7	97.1	96.9	97.5	95.2	93.0					153.0
---	TAMB 59, DEG F	800	84.3	88.1	89.8	91.4	91.7	93.0	92.9	94.7	95.1	98.5	98.4	99.0	97.1	96.6					154.5
---	(288, DEG K)	1000	85.5	89.8	91.0	92.5	93.3	94.3	94.0	95.7	96.3	99.1	99.4	100.2	98.9	99.4					155.8
---	TWET 53, DEG F	1250	86.8	90.0	91.5	92.8	93.0	95.2	95.3	97.1	98.7	100.3	100.4	101.3	100.2	101.3					157.3
---	(285, DEG K)	1600	86.1	90.4	91.7	93.5	94.4	95.6	96.4	97.5	98.4	100.5	99.7	101.6	100.8	101.0					157.5
---	HACT 8.91 GM/M3	2000	85.0	90.0	92.0	92.6	94.5	95.0	96.2	97.7	99.2	99.1	99.0	100.5	100.0	100.4					157.2
---	#.00891 KG/M3	2500	84.5	91.8	93.2	92.8	93.3	93.0	93.9	96.1	97.3	97.0	96.9	98.7	99.0	99.3					156.0
---	FREQ. SHIFT	3150	82.5	91.7	92.9	92.3	91.8	91.3	91.4	93.0	94.2	94.5	93.5	95.4	96.0	97.4					154.1
---	JET	4000	77.4	86.2	88.3	89.5	88.8	89.1	88.6	89.8	90.3	90.9	90.1	92.2	93.0	92.2					151.4
---	DIAMETER RATIO	5000	74.1	82.6	84.3	85.6	86.2	86.2	86.8	87.4	87.7	86.7	88.1	89.8	90.1						148.6
---	BF/DH- 8.00	6300	70.2	78.9	80.7	81.5	80.9	82.3	82.3	83.7	83.7	84.6	83.3	85.0	86.6	86.7					146.3
---	OVERALL CALCULATED	8000	67.6	74.8	77.2	78.2	77.5	78.2	79.7	82.0	81.0	83.4	80.7	82.7	84.1	84.2					145.6
---	PNRB	10000	67.6	70.5	72.3	74.1	73.3	73.7	78.7	81.2	79.3	84.6	79.6	81.1	82.1	82.1					147.0
---			96.6	100.6	102.2	102.9	103.7	104.4	104.9	106.4	107.5	109.2	109.5	111.6	111.6	111.0					167.0
---			107.7	113.8	115.3	115.5	115.8	116.1	116.9	118.5	119.5	120.4	120.4	122.1	121.8	121.8					148.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	0°	0°	0°
REV.	ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(0.0)	(0.0)	(0.0)
---	NO EGA	50	57.8	58.9	64.3	64.0	65.9	66.9	68.4	70.5	72.3	73.9	75.0	78.2	79.5	79.4	72.9			
---	SIDELINE 2400' FT?	80	59.0	61.7	63.8	63.7	66.2	66.6	69.9	71.0	72.6	72.4	74.6	78.1	77.9	72.7				
---	(731.52 M)	100	58.3	61.8	63.9	65.9	67.1	67.8	69.6	71.9	72.9	74.9	76.0	77.2	74.3	71.9				
---	NFA 0. RPM	125	59.2	60.4	64.2	65.7	66.6	68.4	70.3	71.6	72.4	73.7	75.1	75.2	71.3	65.7				
---	(0. RAD/SEC)	160	57.9	61.1	64.1	65.2	67.2	68.8	70.4	71.1	71.9	73.8	75.1	75.6	69.4	62.3				
---	NFK 0. RPM	200	57.0	61.9	64.0	66.0	67.9	69.5	70.2	70.5	71.9	72.6	74.0	73.2	67.3	59.5				
---	(- 0. RAD/SEC)	250	58.0	61.3	65.0	68.1	69.2	69.7	70.1	71.0	71.4	72.3	72.9	72.2	65.2	57.6				
---	NFD 0. RPM	315	56.8	62.2	66.7	67.1	68.3	69.9	70.5	71.1	71.3	72.0	72.2	71.3	64.6	57.2				
---	(0. RAD/SEC)	400	56.8	62.7	66.9	68.9	69.6	70.6	71.4	71.6	71.6	73.3	72.6	71.4	65.8	58.8				
---	AIRFLOW RATIO	500	55.3	62.0	66.3	68.4	70.1	71.0	71.7	72.7	73.3	74.3	73.1	71.4	65.9	58.7				
---	WF/WM - 8.00	630	55.3	61.7	65.6	68.5	69.9	72.2	72.5	74.1	74.6	76.2	74.5	73.1	67.5	60.0				
---		800	55.5	62.8	66.7	69.8	71.0	72.9	73.0	74.5	74.4	76.8	75.3	73.6	68.4	62.0				
---	VEHICLE -- JENOTS	1000	55.4	63.4	67.1	70.1	71.9	73.6	73.4	74.9	74.9	76.8	75.5	73.9	68.8	62.7				
---	CCNF IG JE#056	1250	55.0	62.3	66.5	69.5	72.8	73.6	73.9	75.5	76.5	77.2	75.4	73.6	68.4	62.1				
---	LOC EVENDALB	1600	51.9	60.9	65.2	68.9	71.0	72.9	73.9	74.8	75.1	75.9	73.2	72.1	66.6	58.2				
---	DATE 04-22-75	2000	47.9	58.3	63.7	66.4	69.7	71.0	72.3	73.6	74.4	72.9	70.6	68.8	62.9	53.2				
---	RUN DBTF-MODEL-2	2500	43.2	56.9	62.2	64.3	66.4	67.0	68.1	70.1	70.3	68.5	65.9	63.8	57.7	46.1				
---	TARE X20130	3150	34.4	51.7	57.7	60.1	61.5	62.1	62.6	63.7	63.9	62.3	58.3	55.3	47.9	33.9				
---	FAN TIP SPEED	4000	19.3	38.5	46.7	51.8	53.5	55.1	55.1	55.8	55.2	53.3	48.5	44.5	34.9	13.6				
---	FT/SEC	5000	10.1	30.4	39.1	44.7	48.0	49.5	49.9	50.1	49.2	46.8	41.5	35.9	25.8	2.7				
---		6300		13.7	24.7	31.2	34.1	37.6	38.2	38.8	36.9	34.3	27.3	19.7	5.4					
---		6000			4.6	13.4	17.5	20.9	23.2	24.7	21.0	18.7	8.1							
---		10000						5.1	6.4	1.0										
---	OVERALL CALCULATED		69.2	74.1	77.8	80.0	81.8	83.2	84.0	85.3	85.9	86.9	86.5	87.3	85.4	80.1				
---	PND8		72.8	80.9	85.7	88.3	90.6	91.9	92.9	94.2	94.7	94.9	93.2	92.3	87.1	79.2				

		PROC. DATE = MONTH 4 DAY 30 HR: 15:3																0: 0: 0: PWL			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
REV: ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180				
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)				
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180				
		84.2	82.2	82.3	84.4	86.4	86.7	88.3	89.8	92.3	95.1	94.5	101.5	106.0	103.6	100.8	95.5				
		84.8	85.6	86.6	85.0	86.7	87.9	89.7	90.5	92.4	93.2	96.5	102.6	104.6	102.1	100.8	95.0				
RDG, NO. 0	80	84.8	85.7	86.0	85.2	86.7	87.0	89.1	90.9	93.2	93.7	97.2	101.8	103.4	100.7	99.7	94.4				
RADIAL 320, FT.	100	84.7	85.7	86.6	87.3	88.3	88.0	90.2	92.1	93.8	96.0	98.7	101.0	100.7	99.7	95.2	92.8				
(98, M)	125	85.6	85.4	87.0	87.2	87.3	88.7	90.7	91.6	93.6	96.1	97.7	99.7	97.4	95.2	92.4	88.8				
VEHICLE JENOTS	140	84.7	85.9	86.6	86.8	87.7	89.2	90.7	92.2	93.2	95.6	98.3	99.3	94.9	92.4	90.2	85.5				
CONFIG JENOTS	200	84.6	86.2	87.4	88.0	88.8	90.0	92.0	91.8	93.1	95.3	96.9	97.0	93.9	90.2	85.7	81.7				
LCC EVENDALE	250	86.4	86.6	87.1	89.9	90.2	90.4	90.8	91.6	93.3	95.2	96.7	96.5	93.4	89.8	85.8	81.7				
DATE 04-22-75	315	85.3	87.6	89.3	88.5	89.4	90.2	91.5	92.7	93.6	95.6	96.3	96.2	92.7	89.8	85.8	81.7				
RUN DBTF-MODEL 2	400	85.6	88.5	90.1	90.3	91.7	91.2	92.6	93.5	93.9	96.7	97.0	97.5	94.9	91.7	88.8	84.8				
TAPE X20140	500	85.3	88.3	90.1	90.4	91.8	92.5	94.0	95.1	95.7	98.0	97.7	98.2	96.2	92.9	89.8	85.8				
BAB 29.9 HG	630	86.1	89.2	89.8	91.0	91.7	93.5	94.7	96.4	97.5	99.6	99.6	100.0	98.2	95.5	92.4	88.8				
(01039, N/M2)	800	87.0	90.3	91.3	92.4	93.7	94.5	95.2	97.4	98.6	101.0	100.6	101.5	100.1	98.6	95.5	91.5				
TAMB 59, DEG F	1000	88.7	92.0	93.3	93.2	94.8	95.6	96.5	98.4	99.3	101.6	101.7	103.0	101.6	100.6	97.5	93.5				
(288, DEG K)	1250	89.8	92.5	93.8	94.8	96.5	96.7	97.3	99.6	100.4	102.2	102.7	104.3	103.2	103.1	100.1	96.1				
TWET 53, DEG F	1600	89.8	93.6	94.7	95.0	96.9	97.3	98.4	100.2	100.7	102.0	102.2	103.9	103.6	103.5	100.1	96.1				
(285, DEG K)	2000	89.2	94.0	94.8	94.9	96.8	97.0	98.7	100.2	100.9	102.8	100.7	102.5	102.3	102.1	100.2	96.7				
WACT 8.91 GH/M3	2500	89.5	95.8	96.0	95.8	95.8	95.5	96.4	98.4	99.3	98.5	99.2	99.9	100.2	99.3	96.7	92.7				
(00894, KG/M3)	3150	88.5	95.7	96.7	96.3	95.3	94.3	94.4	96.2	96.7	96.5	95.7	97.6	97.7	96.7	93.4	89.4				
FREQ, SHFT	4000	82.2	88.7	90.3	91.5	91.5	92.1	91.1	92.6	92.7	92.9	92.6	94.2	94.5	93.4	90.8	86.8				
JET - 9	5000	78.2	86.1	87.3	87.4	87.7	88.0	88.4	89.1	88.9	89.2	88.7	90.9	91.8	90.8	87.5	83.5				
DIAMETER RATIO	6300	75.0	83.4	85.2	84.5	84.2	84.5	84.7	85.7	85.9	86.8	85.1	88.5	89.4	88.5	85.2	81.2				
DF/DM -8.00	8000	71.4	80.1	81.7	81.7	80.7	81.5	81.2	83.0	82.7	84.9	81.7	86.9	88.4	88.2	84.8	80.8				
	10000	69.6	77.7	78.3	79.6	78.6	79.9	79.8	81.2	79.8	84.6	80.4	88.1	88.6	88.8	84.8	80.8				
OVERALL CALCULATED	10000	100.0	103.8	105.0	105.0	105.9	106.3	107.3	109.0	109.9	111.4	111.9	113.8	113.8	112.4	109.2	105.2				
PND	111.9	117.4	118.5	118.4	118.4	118.4	119.4	121.0	121.7	122.4	122.6	124.3	123.9	123.0	123.0	123.0	123.0				

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																(0.0) (0.0) (0.0)		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180			
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)			
NO EGA	50	60.3	60.6	72.3	65.5	68.2	68.9	70.7	72.0	74.1	76.1	74.5	79.9	82.1	76.3					
SIDELINE 2400' FT.	63	60.9	63.9	66.5	66.0	68.5	70.0	72.0	72.6	74.2	74.2	76.4	81.0	80.6	74.6					
(731.52 M)	80	60.8	64.0	65.8	66.2	68.4	69.1	71.4	73.0	74.9	74.7	77.1	80.1	79.4	73.2					
NFA	100	60.5	63.8	66.4	68.2	69.9	70.1	72.4	74.2	75.4	76.9	78.5	79.2	76.5	71.9					
0. RPM	125	61.2	63.4	66.7	68.0	68.8	70.7	72.8	73.6	75.2	76.9	77.4	77.7	73.0	67.2					
0. RAD/SEC	160	60.2	63.8	66.1	67.5	69.2	71.1	72.7	74.1	74.6	76.3	77.9	77.4	70.4	64.1					
NFK	200	59.8	63.9	66.8	68.5	70.2	71.8	72.9	73.5	74.4	75.8	76.2	74.7	69.1	61.5					
0. RPM	250	61.2	64.0	66.2	70.3	71.4	72.5	72.6	73.2	74.4	75.5	75.9	74.0	68.2	60.6					
0. RAD/SEC	315	59.8	64.7	68.2	68.6	70.3	71.6	73.0	74.1	74.5	75.8	75.2	73.3	67.1	59.9					
NFD	400	59.5	65.2	68.7	70.1	71.3	72.3	73.9	74.6	74.6	76.5	75.6	74.1	68.8	61.0					
0. RPM	500	58.5	64.5	68.3	69.9	72.1	73.3	75.0	75.9	76.0	77.5	75.8	74.4	69.4	61.2					
AIRFLOW RATIO	630	58.3	64.7	67.4	70.0	71.6	73.9	75.3	76.9	77.4	78.7	77.2	75.6	70.5	62.5					
WF/KM -8.00	800	58.3	65.0	68.2	70.8	73.0	74.4	75.2	77.3	77.9	79.3	77.5	76.1	71.4	64.0					
VEHICLE - JENOTS	1000	58.6	65.7	69.3	70.9	73.4	74.8	75.9	77.7	77.9	79.3	77.7	76.6	71.5	64.0					
CONFIG JE#056	1250	58.0	64.8	68.7	71.5	74.3	75.1	75.9	78.0	78.3	78.9	77.7	76.6	71.4	63.9					
LCC EVENDALE	1600	55.6	64.2	68.2	70.4	73.5	74.7	75.9	77.6	77.3	77.4	75.7	74.4	69.4	60.7					
DATE 04-22-75	2000	52.1	62.3	66.4	68.7	72.0	73.0	74.8	76.1	76.1	74.6	72.4	70.8	65.2	55.0					
RUN DBTF-MODEL 2	2500	48.2	60.9	65.0	67.3	68.9	69.5	70.8	72.3	72.3	70.0	68.2	65.0	58.9	46.1					
TAPE X20140	3150	40.4	55.7	61.5	64.1	65.0	65.1	65.6	67.0	66.4	64.3	60.5	57.6	49.7	33.2					
FAW TIP SPEED	4000	24.0	41.0	48.7	53.8	56.2	58.1	57.6	58.6	57.4	55.3	51.0	46.5	36.4	14.8					
FT/SEC	5000	14.9	33.9	42.1	46.5	49.5	51.2	52.1	52.3	50.7	48.3	43.5	38.7	27.8	3.5					
	6300		18.2	29.2	34.2	37.4	39.6	40.4	40.8	39.1	36.5	29.0	23.2	8.2						
	8000			9.1	16.9	20.8	24.1	24.7	25.7	22.8	20.2	9.1	1.5							
	10000					0.3	5.2	5.9	6.4	1.5										
OVERALL CALCULATED		71.8	76.6	80.5	81.8	83.9	85.1	86.5	87.9	88.4	89.4	89.0	89.4	89.3	81.2					
PND8		76.3	84.2	88.3	90.5	92.8	94.0	95.5	96.8	97.0	97.0	95.7	94.6	89.7	81.2					

PROC. DATE MONTH DAY 30 HR. 15.1
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS) -
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV. ALPHA 12/78	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	REL. HUM.	PHI
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)
RDG. NO. 604.	50	86.2	84.2	92.8	86.2	87.4	88.7	90.1	91.8	94.8	97.1	97.0	104.3	108.2	105.6		137.8
RADIAL 320, FT.	80	87.1	87.1	88.8	87.0	88.7	89.2	89.1	92.7	94.9	95.7	99.0	104.9	106.3	103.3		137.0
(98, M)	100	86.7	88.4	88.9	89.5	90.5	90.5	92.2	94.4	96.0	98.8	100.7	103.0	102.5	101.7		136.8
VEHICLE JENOTS	125	87.8	87.4	89.0	89.9	89.8	91.4	93.4	94.3	96.6	99.3	101.0	101.7	97.6	96.7		135.4
CONFIG JE-056	160	87.0	88.4	89.4	89.3	90.2	91.4	93.2	94.9	96.2	98.6	101.1	102.0	97.9	94.9		135.3
LCC EVEYDALE	200	86.8	89.0	89.2	90.3	91.3	92.5	94.0	94.5	96.4	98.5	99.9	99.7	96.1	93.2		134.5
DATE 04-22-75	250	88.1	88.6	89.3	91.7	92.2	93.1	93.3	94.9	96.5	98.2	99.7	99.3	96.4	93.1		134.5
RUN DBTF-MODBL 2	315	87.3	90.3	91.3	90.8	91.9	93.0	94.0	95.2	96.6	99.1	99.0	99.7	96.2	92.3		134.7
TAPE X20150-	400	87.9	90.7	92.4	92.8	93.4	93.9	94.9	96.2	97.4	100.2	99.8	100.5	97.4	94.0		135.7
BAR 29.9 HG	500	87.3	90.6	91.9	92.4	93.8	94.7	95.5	97.1	98.4	100.3	100.7	100.7	98.7	95.4		135.4
(01039, N/M2)	630	87.9	91.2	92.3	93.0	94.2	96.0	96.7	98.7	100.2	101.9	102.1	102.5	101.2	98.0		135.0
TAMB 59, DEG F	800	89.5	92.8	93.8	93.9	95.2	96.7	97.4	98.9	101.3	103.0	103.1	104.2	103.1	100.4		139.2
(288, DEG K)	1000	90.2	94.0	95.3	95.2	97.0	98.3	98.2	99.9	101.8	104.1	103.4	105.2	104.1	102.6		160.3
THET 53, DEG F	1250	92.0	94.2	96.0	96.3	98.3	98.4	98.5	100.8	102.9	104.0	104.7	105.8	104.7	103.8		161.1
(285, DEG K)	1600	91.6	95.9	97.2	97.0	98.1	98.6	99.9	101.2	102.2	103.8	104.2	105.9	105.6	104.0		161.4
HACT 8.91 GM/M3	2000	92.0	98.5	99.3	97.6	98.3	98.0	99.4	101.4	101.7	102.3	102.7	104.0	103.3	101.9		160.8
(.00891 KG/M3)	2500	91.0	98.8	99.5	98.0	98.0	97.2	97.9	99.6	100.5	99.8	100.7	101.7	100.7	99.0		159.6
FREQ. SHIFT	3150	88.5	95.2	96.7	97.5	98.0	96.3	96.4	97.5	97.7	97.8	97.0	99.1	98.2	96.2		157.9
JET - 9	4000	83.2	90.2	91.5	92.2	93.5	94.3	93.6	94.6	94.8	95.2	94.3	95.7	95.5	92.9		155.3
DIAMETER RATIO	5000	80.4	88.1	89.8	89.6	89.7	89.5	89.7	91.1	90.9	90.7	90.4	92.6	92.8	91.1		152.3
DF/RM - 8.00	6300	76.0	84.4	86.2	87.0	85.9	86.0	86.2	87.4	87.2	88.8	87.3	90.5	90.6	89.0		149.8
OVERALL CALCULATED	8000	72.6	81.6	83.0	83.9	83.2	82.5	82.7	84.8	84.7	85.9	84.0	88.9	88.6	88.2		143.5
PND8	10000	69.9	78.5	80.0	80.6	79.8	80.7	80.7	83.4	81.3	86.1	82.4	89.4	88.9	88.8		131.5
		101.9	106.1	107.3	107.0	107.9	108.3	109.1	110.7	112.0	113.6	114.2	116.0	115.8	113.6		171.2
		113.5	119.4	120.5	120.1	120.7	120.3	120.9	122.5	123.5	124.3	124.6	126.2	125.4	123.3		172.5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F; 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
REV. ALPHA 12/73	FREQ.	50	62.3	62.6	72.8	67.2	69.2	70.9	72.4	74.0	76.6	78.1	77.0	82.7	84.4	78.3		
NO EGA	63	63.1	65.4	68.7	68.3	70.5	72.3	73.5	74.9	76.7	76.7	78.9	83.2	82.4	75.9			
SIDELINE 2400 FT.	80	63.0	66.5	68.6	68.7	70.9	71.4	73.9	75.2	77.4	77.4	79.8	82.6	81.4	75.0			
(731.52 M)	100	62.5	66.6	68.7	70.4	72.1	72.6	74.4	76.4	77.7	79.7	80.5	81.2	78.3	73.9			
NFA 0. RPH	125	63.5	65.4	68.7	70.7	71.3	73.4	73.5	76.3	78.2	80.2	80.6	79.7	75.3	68.7			
(0. RAD/SEC)	160	62.4	66.3	68.9	70.0	71.7	73.3	75.2	76.8	77.6	79.3	80.6	79.9	73.4	66.6			
NFK 0. RPH	200	62.0	66.7	68.5	70.8	72.7	74.3	75.9	76.3	77.7	79.1	79.2	77.4	71.3	64.5			
(0. RAD/SEC)	250	63.0	66.0	68.5	72.1	73.4	74.7	75.1	76.5	77.7	78.5	78.9	76.7	71.2	63.8			
NFD 0. RPH	315	61.8	67.5	70.2	70.9	72.8	74.4	75.5	76.6	77.5	79.3	78.0	76.8	70.6	62.4			
(0. RAD/SEC)	400	61.8	67.4	70.9	72.6	74.1	75.1	76.2	77.4	78.1	80.0	78.5	77.1	71.3	63.3			
AIRFLOW RATIO	500	60.5	66.8	70.0	71.9	74.1	75.5	76.5	77.9	78.8	79.8	78.8	76.9	71.9	63.7			
WF/WM - 8.00	680	60.3	66.7	69.9	72.0	74.1	76.4	77.3	79.1	80.1	80.9	79.7	78.1	73.5	65.0			
	800	60.8	67.5	70.7	72.3	74.5	76.6	77.5	78.8	80.7	81.3	80.0	78.9	74.4	63.7			
VEHICLE - JENOTS	1000	60.1	67.7	71.3	72.9	73.7	77.6	77.7	79.2	80.4	81.8	79.5	78.9	74.0	66.0			
CONFIG JEM056	1250	60.2	66.6	71.0	73.0	76.1	76.9	77.2	79.3	80.8	80.7	79.7	78.1	72.9	64.6			
LOC EVENDALE	1600	57.4	66.4	70.7	72.4	74.7	75.9	77.4	78.6	78.8	79.2	77.7	76.4	71.4	61.2			
DATE 04-22-75	2000	54.9	66.8	70.9	71.4	73.5	74.0	75.6	77.3	76.9	76.1	74.4	72.3	66.4	54.7			
RUN - DBTF-MODEL-2	2500	49.7	63.9	68.5	69.5	71.1	71.2	72.1	73.6	73.6	71.3	69.7	66.8	59.4	45.6			
TAPE X20150	3150	40.4	55.2	61.5	65.4	67.8	67.1	67.6	68.2	67.4	65.6	61.8	59.1	50.2	32.7			
FAN TIP SPEED	4000	25.0	42.5	50.0	54.5	58.2	60.3	60.1	65.6	58.7	57.5	52.8	48.0	37.4	14.3			
FT/SEC	5000	16.4	35.9	44.6	48.7	51.5	52.7	53.4	54.3	52.7	49.8	45.2	40.4	28.8	3.7			
	6300		19.2	30.2	36.7	39.1	41.1	41.9	42.5	40.4	38.5	31.3	25.2	9.4				
	8000			10.4	19.2	23.3	25.1	26.2	27.4	24.8	21.2	11.4	3.5					
	10000					1.5	5.9	7.1	8.7	3.0	1.2							
OVERALL CALCULATED		73.9	79.0	82.6	83.8	85.9	87.3	88.4	89.8	91.8	91.9	91.5	91.8	89.5	83.0			
PND8		78.3	87.2	91.3	92.7	94.8	95.7	97.0	98.5	98.8	99.2	98.0	96.9	91.9	82.6			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA										PROC. DATE	MONTH	5 DAY	3 HR	15.6	REL. HUM.	DAY	JENOTS	PHU		
ANGLES FROM INLET IN DEGREES (AND RADIANS)																				
REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	
	50	81.2	79.0	81.1	81.2	82.4	83.2	84.6	87.1	89.6	92.6	93.3	99.8	103.2	102.6					153.3
NO EGA	63	82.8	82.6	82.6	81.3	82.0	83.6	85.2	86.7	88.4	89.7	93.2	100.6	102.6	99.6					152.6
RCG, NO. 0.	80	82.8	82.5	82.5	81.0	82.7	83.3	85.1	87.1	89.2	90.5	94.5	100.1	102.4	101.6					152.9
RADIAL 320. FT.	100	81.7	82.2	82.6	83.3	83.8	84.0	85.2	87.6	89.3	92.3	95.5	98.5	98.7	101.5					151.8
(98. 4)	125	82.3	81.1	82.5	82.4	83.5	85.2	86.2	87.3	89.4	92.6	94.2	96.7	95.9	95.7					149.8
VEHICLE JENOTS	160	80.7	80.9	82.6	81.8	83.2	84.7	85.7	87.7	88.2	91.6	94.8	97.0	93.9	91.9					149.2
CONFC JE#056	200	79.8	82.0	82.4	82.7	84.1	85.5	85.8	87.7	88.3	90.8	94.1	94.2	91.1	88.0					148.0
LOC EVENDALE	250	81.1	81.3	83.0	84.7	85.2	85.9	85.5	86.8	88.0	89.6	92.7	92.8	89.1	86.8					147.1
DATE 04-22-75	315	80.6	82.3	84.0	83.5	83.1	84.7	85.0	86.4	87.6	89.3	91.0	91.5	86.7	84.5					146.1
RLN DBTF-MODEL 2	400	79.3	82.7	83.8	83.8	84.4	85.1	85.6	86.7	87.1	89.9	91.2	90.9	86.9	84.4					146.3
TAPE X20160	500	79.0	82.3	83.3	83.9	84.7	85.6	85.2	86.8	87.6	90.0	90.6	90.6	87.6	85.6					146.3
HAR 29.9 HG	630	79.3	82.6	83.9	83.9	85.4	86.7	86.9	87.6	89.1	91.3	91.8	91.9	89.6	87.2					147.6
101039, N/42	800	80.2	84.2	85.2	86.0	87.3	89.1	88.3	89.3	89.7	92.6	93.5	93.1	91.2	90.0					149.2
TAMB 59. DEG F	1000	80.8	84.8	86.9	86.6	88.1	89.9	89.1	90.3	90.8	93.5	94.2	93.7	94.5	93.5					150.12
(288. DEG K)	1250	81.8	86.0	87.5	88.1	89.3	89.9	90.0	91.6	92.7	94.2	93.7	94.5	93.5	93.6					151.1
TWET 53. DEG F	1600	80.6	85.6	87.2	88.2	89.6	90.3	90.4	91.2	92.4	94.7	93.6	93.6	93.3	92.7					151.2
(285. DEG K)	2000	78.9	84.5	86.0	86.6	88.5	89.2	90.1	90.8	91.4	92.5	91.9	92.2	91.5	90.8					150.11
HACT 8.91 GM/H3	2500	75.9	81.9	82.9	84.0	85.2	86.4	86.3	88.6	89.4	90.4	89.1	88.8	88.6	87.4					147.7
4.00891 KG/H3	3150	72.4	78.6	80.4	81.2	82.2	83.0	83.1	85.2	86.2	87.0	85.4	85.6	85.4	83.1					144.8
FREQ. SHIFT	4000	67.4	74.2	75.7	76.7	77.5	79.1	79.9	81.6	81.5	83.2	81.8	81.7	82.0	78.4					141.6
JET 9	5000	64.7	70.4	72.1	72.9	73.5	74.0	74.7	77.6	77.5	78.8	77.0	76.7	77.6	74.9					137.6
DIAMETER RATIO	6300	62.8	66.5	67.5	68.3	68.2	70.2	70.5	74.9	74.7	76.6	74.8	74.1	75.4	74.0					136.0
DF/DM 8.00	8000	63.2	65.7	64.1	66.5	67.1	66.6	66.6	76.1	74.6	77.7	76.0	74.0	76.2	75.8					138.2
OVERALL CALCULATED	10000	65.2	65.8	63.6	66.4	66.9	66.7	66.8	78.0	75.6	80.9	77.2	75.7	76.7	77.7					142.6
PNUB		93.4	95.7	97.0	97.4	98.5	99.6	99.8	101.3	102.4	104.6	105.9	108.5	109.3	108.6					162.8
		102.0	106.1	107.4	108.0	109.3	110.3	110.8	112.3	113.0	114.8	114.8	115.4	114.7	113.6					164.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59: DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV.	ALPHA 12/73	FREQ:	30:	40:	50:	60:	70:	80:	90:	100:	110:	120:	130:	140:	150:	160:	0:	0:	0:
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
		50	57.3	57.4	61.0	62.2	64.2	65.4	66.9	69.3	71.3	73.6	73.2	78.2	79.4	75.3			
	NO EGA	63	58.9	60.9	62.5	62.3	63.7	65.8	67.5	68.9	70.2	70.7	73.1	79.0	78.6	72.1			
	SIDELINE 2400 FT	80	58.8	60.7	62.3	61.9	64.4	65.6	67.4	69.2	70.9	71.4	74.3	78.3	78.4	74.0			
	(731.52 M)	100	57.5	60.3	62.4	64.2	65.4	66.1	67.4	69.7	70.9	73.2	75.2	76.7	74.5	73.7			
	NFA 0: RPM	125	58.0	59.2	62.2	63.2	65.4	67.2	68.3	69.3	70.9	73.4	73.9	74.7	71.5	67.7			
	(0: RAD/SEC)	160	56.2	58.8	62.1	62.3	64.7	66.6	67.7	69.6	69.6	72.3	74.4	74.9	69.4	63.6			
	NFK 0: RPM	200	55.0	59.7	61.8	63.3	65.4	67.3	67.7	69.5	69.7	71.3	73.5	71.9	66.3	59.2			
	(0: RAD/SEC)	250	56.0	58.8	62.2	65.0	66.4	67.3	67.3	68.4	69.1	70.0	71.8	70.2	64.0	57.6			
	NFD 0: RPM	315	55.0	59.4	62.9	63.6	64.1	66.1	66.5	67.8	68.5	69.3	69.9	68.6	61.1	54.6			
	(0: RAD/SEC)	400	53.2	59.4	62.4	63.6	65.1	66.3	66.9	67.8	67.8	69.7	69.8	67.6	60.8	53.7			
	AIRFLOW RATIO	500	52.2	58.4	61.4	63.4	65.0	66.5	66.2	67.6	68.0	69.5	68.8	66.8	60.8	53.9			
	WF/WB 8.00	630	51.7	58.1	61.5	62.9	65.3	67.1	67.5	68.0	69.1	70.3	69.4	67.5	62.0	54.2			
		800	51.4	58.9	62.1	64.4	66.6	69.0	68.4	69.2	69.0	71.0	70.4	67.8	62.5	55.3			
	VEHICLE JENOTS	1000	50.7	58.5	62.9	64.2	66.8	69.2	68.5	69.5	69.5	71.1	70.3	67.2	62.3	55.8			
	CCNFIG JE-056	1250	50.0	58.4	62.5	64.8	67.1	68.4	68.7	70.1	70.5	70.9	68.7	66.9	61.7	54.4			
	LCC EVENDALE	1600	46.3	56.1	60.7	63.6	66.2	67.6	67.9	68.5	69.0	70.1	67.1	64.1	59.1	49.9			
	DATE 04-22-75	2000	41.8	52.8	57.6	60.6	63.6	65.2	66.3	66.8	66.6	66.3	63.6	60.5	54.4	43.7			
	RUN DBTF-MODEL 2	2500	34.6	47.0	51.9	55.5	58.3	60.4	60.5	62.5	62.5	61.9	58.1	53.9	47.3	34.0			
	TAPE X20160	3150	24.4	38.6	45.2	49.1	52.0	53.8	54.3	55.9	55.9	54.8	50.2	45.5	37.4	19.6			
	FAN TIP SPEED	4000	9.3	26.5	34.2	39.0	42.2	45.1	46.3	47.6	46.2	45.5	40.3	34.0	23.9				
	FT/SEC	5000	0.7	18.2	26.9	32.0	35.3	37.3	38.4	40.9	39.3	37.9	31.8	24.5	13.6				
		6300		1.2	11.4	18.0	21.4	25.3	26.2	30.0	27.9	26.3	18.8	8.8					
		8000				1.8	7.1	9.2	10.0	18.8	14.6	13.0	3.4						
		10000							3.3										
	OVERALL CALCULATED		67.5	71.2	74.3	75.8	77.7	79.4	79.9	81.2	82.0	83.5	84.2	85.9	84.7	80.4			
	PND8		68.8	76.2	80.3	82.7	85.1	86.8	87.3	88.4	88.7	89.8	88.4	86.8	82.7	77.3			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL	
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	PWL	
REV.	ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	PWL	
		50	82.4	80.0	82.8	82.4	84.2	84.7	86.3	88.3	91.1	94.1	94.3	101.8	105.0	103.6		154.9	
	NO EGA	63	84.3	83.8	84.3	83.0	84.0	85.9	87.0	88.7	90.2	91.4	95.0	102.1	104.1	101.3		154.2	
RCG, NO.	0.	80	84.6	83.7	84.0	83.0	84.2	85.0	87.1	88.4	90.9	92.0	96.2	101.8	103.9	101.8		154.3	
RADIAL	320. FT.	100	82.7	83.7	84.4	84.0	85.3	85.5	86.7	89.4	90.8	93.8	97.0	99.8	100.0	101.7		152.9	
	(98. M)	125	83.3	82.4	84.5	83.7	84.3	86.7	87.9	88.8	90.9	94.1	96.0	97.9	96.9	95.7		151.0	
VEHICLE	JENOTS	160	82.2	82.7	84.1	83.3	85.0	86.4	87.7	89.2	89.9	93.1	96.3	97.7	93.9	91.9		150.4	
CCNFIG	JE#056	200	81.1	83.5	84.2	84.2	85.6	87.2	88.0	89.0	89.6	92.3	95.1	95.7	91.4	88.2		149.3	
LCC	EVENDALE	250	83.1	83.8	84.5	86.9	87.5	87.6	87.3	88.8	89.5	91.1	93.7	93.5	90.4	87.3		148.5	
DATE	04-22-75	313	82.3	85.1	86.3	85.7	85.9	87.2	87.7	89.2	89.6	91.6	92.8	92.7	88.9	85.8		148.2	
RUN	CBTF-MODEL 2	400	82.1	84.9	86.6	86.8	86.6	87.9	88.3	89.4	89.6	92.9	93.0	92.9	89.6	87.4		148.7	
TAPE	X20170	500	81.0	85.0	86.3	86.6	87.7	89.4	88.9	90.8	91.6	93.7	94.1	93.6	91.1	88.8		149.8	
BAR	29.9 HG	630	82.1	86.1	86.9	87.4	88.4	90.4	90.6	92.3	92.9	95.6	95.3	95.9	93.3	90.7		151.4	
	(1039. N/M2)	800	83.2	87.5	88.9	89.3	91.0	92.1	91.8	93.0	93.5	96.8	97.3	96.6	95.2	94.0		152.9	
TAMB	59. DEG F	1000	84.3	89.3	90.4	90.1	91.6	93.4	93.1	95.0	95.3	98.0	98.5	98.5	97.0	96.7		154.5	
	(288. DEG K)	1250	86.3	89.8	91.5	91.6	93.0	93.9	93.8	95.6	97.2	99.2	99.4	99.5	98.5	98.8		155.8	
THET	53. DEG F	1600	85.3	89.9	91.0	91.9	93.1	94.6	94.6	96.2	97.4	99.0	98.9	100.3	99.8	99.4		156.3	
	(285. DEG K)	2000	84.4	90.0	91.0	91.0	93.5	93.7	94.3	96.1	97.1	98.3	97.7	99.5	99.2	98.6		155.9	
WACT	8.91 GM/H3	2500	82.1	89.2	89.9	89.5	90.7	91.7	92.0	94.3	95.4	95.9	95.6	96.6	97.1	98.2		154.2	
	(1.00891 KG/H3)	3150	78.9	86.6	87.1	87.5	88.0	88.3	89.1	91.4	91.7	92.7	91.2	92.8	93.2	93.1		151.2	
FREQ. SHIFT		4000	75.4	83.7	84.2	83.7	83.5	85.1	85.4	87.3	87.2	89.2	89.2	87.8	89.2	89.7	88.4		148.1
JET	9	5000	71.7	80.1	81.1	81.2	80.7	80.8	80.7	83.1	84.0	84.8	83.3	84.7	85.9	85.4		144.6	
DIAMETER RATIO		6300	66.8	74.5	75.7	76.3	76.4	76.5	76.5	79.7	79.9	81.8	79.1	81.1	82.7	81.8		142.0	
DF/CM	8.00	8000	65.2	70.4	71.3	71.3	71.3	71.8	72.1	78.1	77.1	80.7	77.0	78.5	79.9	79.3		141.3	
		10000	66.2	66.6	66.6	67.6	68.6	69.0	69.3	79.0	76.4	82.1	77.0	79.0	79.2	78.4		143.9	
OVERALL CALCULATED			96.1	99.5	100.6	100.7	101.9	103.1	103.4	105.2	106.2	108.8	109.0	111.2	111.7	110.7		166.0	
PNDB			106.3	111.8	112.4	112.3	113.6	114.4	114.9	116.9	117.8	119.4	119.2	120.7	120.3	120.1		1.3	

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	0°	0°	0°	0°
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	(0)
REV: ALPHA 12473	FREQ.	50	58.6	58.4	62.8	63.5	65.9	66.9	68.7	70.5	72.8	75.1	74.2	80.2	81.1	76.3			
NO EGA	53	60.4	62.2	64.2	64.0	65.7	68.0	69.3	70.9	71.9	72.5	74.9	80.5	80.1	73.9				
SIDELINE 2400' FT?	80	60.5	62.0	63.8	63.9	65.9	67.1	69.4	70.5	72.6	72.9	76.1	80.1	79.9	74.2				
(731.52 M)	100	58.5	61.8	64.2	64.9	66.9	67.6	68.9	71.4	72.4	74.7	76.7	77.9	75.8	73.9				
NFA 0° RPM	125	59.0	60.4	64.2	64.5	65.8	68.7	70.0	70.8	72.4	74.9	75.6	76.0	72.5	67.7				
(0° RAD/SEC)	160	57.7	60.6	63.6	64.0	66.4	68.3	69.7	71.1	71.4	73.8	75.9	75.6	69.4	63.6				
NFK 0° RPM	200	56.2	61.2	63.5	64.8	66.9	69.0	69.9	70.8	70.9	72.8	74.5	73.4	66.6	59.5				
(0° RAD/SEC)	250	58.0	61.3	63.7	67.3	68.6	69.2	69.0	70.4	70.6	71.5	72.8	70.9	65.2	58.1				
NFD 0° RPM	315	56.8	62.2	65.2	65.9	66.8	68.6	69.3	70.6	70.5	71.7	71.7	69.8	63.4	55.9				
(0° RAD/SEC)	400	56.0	61.6	65.1	66.6	67.3	69.0	69.6	70.6	70.3	72.7	71.5	69.6	63.5	56.7				
AIRFLOW RATIO	500	54.2	61.2	64.4	66.1	68.0	70.2	69.9	71.6	72.0	73.2	72.3	69.8	64.3	57.2				
WF/W 8.00	630	54.4	61.6	64.5	66.4	68.3	70.8	71.2	72.8	72.8	74.6	72.9	71.5	65.7	57.7				
	800	54.4	62.1	65.8	67.6	69.4	72.0	71.9	72.9	72.8	75.2	74.2	71.5	66.5	59.3				
VEHICLE JENOTS	1000	54.2	63.0	66.4	67.7	70.3	72.7	72.5	74.3	74.0	75.6	74.5	72.2	66.8	60.0				
CCNFIG JE-056	1250	54.5	62.1	66.5	68.3	70.9	72.4	72.5	74.1	75.0	75.9	74.4	71.9	66.7	59.6				
LCC EVENDALE	1600	51.1	60.4	64.4	67.3	69.7	71.9	72.1	73.5	74.0	74.4	72.4	70.9	65.6	56.6				
DATE 04-22-75	2000	47.3	58.3	62.6	64.9	68.6	69.7	70.5	72.0	72.3	72.1	69.3	67.8	62.1	51.4				
RLN DBTF-MODEL 2	2500	40.8	54.3	58.9	61.0	63.8	65.6	66.3	68.3	68.5	67.4	64.6	61.7	55.8	44.8				
TAPE X20170	3150	30.9	46.6	51.9	55.3	57.7	59.0	60.3	62.2	61.4	60.5	56.0	52.8	45.1	29.6				
FAN TIP SPEED	4000	27.3	36.0	42.7	46.0	48.2	51.1	51.8	53.3	51.9	51.5	46.3	41.5	31.6	9.8				
FT/SEC	5000	7.7	27.9	35.9	40.3	42.5	44.0	44.4	46.4	45.8	43.9	38.0	32.5	21.9					
	6300		9.2	19.7	26.0	29.6	31.6	32.2	34.8	33.1	31.5	23.1	15.8	1.5					
	8000				6.5	11.4	14.5	15.5	20.8	17.1	16.0	4.4							
	10000								4.3										
OVERALL CALCULATED		59.3	73.7	76.9	78.4	80.5	82.3	82.9	84.3	84.9	86.3	86.5	87.8	86.4	81.2				
LNDB		72.1	80.1	84.2	86.4	89.0	90.7	91.3	92.8	93.1	93.8	92.5	91.3	86.4	79.3				

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE - MONTH 5 DAY 3 HR 15.6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	0.0 0.0 0.0			PWL
REV.	ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	180.	180.	180.	180.	180.	180.
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.0)	(3.0)	(3.0)	(3.0)	
		50	84.4	82.5	84.1	84.4	85.4	86.5	87.8	90.1	92.8	95.8	95.5	102.5	106.2	105.1						156.1
	NO EGA	63	86.1	86.3	86.3	85.0	86.2	87.6	89.2	91.0	92.2	93.9	97.0	103.6	106.1	103.3						156.1
	REG. NO. 0.	80	86.8	86.2	86.2	83.0	86.5	87.3	88.9	90.6	93.2	94.7	98.0	103.3	105.7	102.8						155.9
	RADIAL 320, FT.	100	85.0	85.7	86.4	86.3	87.5	88.3	89.4	91.6	93.3	96.3	98.7	101.8	100.7	102.5						154.5
	(98.4)	125	85.8	84.4	86.0	86.2	86.8	88.9	89.7	91.6	93.1	96.1	97.7	99.7	98.1	96.9						152.9
	VEHICLE JENOTS	160	84.2	84.9	86.6	86.3	87.2	88.9	89.4	91.4	92.9	95.1	98.6	99.5	95.2	93.7						152.4
	CCNFIG JE*056	200	83.6	86.0	86.4	86.5	88.1	89.7	90.0	92.0	92.3	94.8	96.8	97.0	93.6	90.2						151.3
	LCC EVENDALE	250	85.6	85.8	86.5	88.4	88.7	89.9	89.5	91.6	92.0	94.1	95.9	96.5	92.4	89.5						150.9
	DATE 04-22-75	315	84.8	87.3	88.0	88.0	88.4	89.4	90.0	91.2	92.1	94.6	95.0	95.5	91.4	88.5						150.7
	RLN DBTF-MODEL 2	400	84.6	87.7	88.8	89.3	89.6	90.9	91.3	92.4	92.6	95.4	95.7	95.7	92.9	90.2						151.5
	TAPE X20180	500	84.2	88.3	89.0	89.4	91.2	91.9	92.2	93.8	94.4	96.5	96.6	96.9	94.1	91.6						152.6
	BAR 29.9 HG	630	84.8	88.6	89.4	89.7	91.1	93.2	93.4	95.3	96.4	98.6	98.3	98.4	96.3	93.7						154.3
	(01039, N/M2)	800	86.4	90.2	90.7	91.5	92.8	94.9	94.1	95.8	97.5	99.6	99.3	100.1	98.5	96.7						155.7
	TAHR 59, DEG F	1000	87.5	91.6	92.4	92.1	94.1	95.7	95.6	97.5	98.1	101.0	100.7	101.5	100.0	100.2						157.2
	(288, DEG K)	1250	89.1	92.3	93.3	94.1	95.8	96.7	96.3	98.8	99.7	101.7	101.4	102.8	101.5	101.8						158.5
	THET 53, DEG F	1600	88.6	93.1	94.0	93.7	96.1	97.1	97.6	99.5	100.1	101.2	101.6	103.1	102.3	102.4						159.0
	(285, DEG K)	2000	88.2	93.2	93.5	94.0	95.7	96.7	97.6	99.6	100.1	100.5	100.2	102.5	101.7	100.8						158.7
	HACT 8.91 GM/M3	2500	88.6	95.4	95.1	94.5	95.0	95.4	95.8	97.8	98.9	98.2	98.6	100.1	99.9	99.2						157.5
	(00891 KG/M3)	3150	88.4	96.1	95.9	94.5	94.0	93.3	93.1	94.7	95.4	95.5	94.9	96.8	98.2	97.1						155.9
	FREQ. SHIFT	4000	81.1	89.2	89.7	90.7	90.0	90.6	89.4	91.1	91.2	91.2	91.3	91.9	95.5	92.4						152.6
	JET 9	5000	77.2	85.1	85.4	85.4	86.0	86.3	85.7	86.8	87.5	87.8	86.8	89.2	92.1	89.4						149.0
	DIAMETER RATIO	6300	74.8	82.0	82.7	82.3	81.7	82.0	81.5	83.2	83.4	83.8	82.6	86.8	89.2	87.0						146.8
	DF/CM 8.00	8000	73.7	78.4	78.6	79.0	78.1	78.3	78.1	80.4	80.3	80.5	80.3	86.0	87.9	86.5						146.5
		10000	74.2	76.6	75.9	76.6	77.1	77.7	77.5	79.2	77.9	78.9	78.7	87.5	88.2	87.2						148.9
	OVERALL CALCULATED		99.4	103.5	104.0	103.9	105.0	106.0	104.3	108.2	109.1	110.7	111.3	113.5	113.8	112.6						168.7
	PNDP		111.5	117.3	117.5	117.0	117.3	118.0	118.2	120.1	121.0	121.7	121.9	123.8	123.4	122.3						170.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59.7 DEG. F, 70 PERCENT REL. HUM, DAY)

REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																0. 0. 0.		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0.)	(0.)	(0.)
NO EGA	50	60.6	60.9	64.0	65.5	67.2	68.7	70.2	72.3	74.6	76.9	75.5	80.9	82.4	77.8					
SIDELINE 2400. FT?	63	62.1	64.7	66.2	66.0	68.0	69.8	71.5	73.1	73.9	75.0	76.9	82.0	82.1	75.9					
(73.52 M)	80	62.8	64.5	66.1	65.9	68.2	69.4	71.1	72.7	74.9	75.7	77.8	81.6	81.6	75.2					
NFA 0. RPM	100	60.8	63.8	66.2	67.2	69.1	70.3	71.6	73.7	74.9	77.2	78.5	79.9	76.5	74.7					
(0. RAD/SEC)	125	61.5	62.4	65.7	67.0	68.3	70.9	71.8	73.6	74.7	76.9	77.4	77.7	73.8	68.9					
NFK 0. RPM	160	59.7	62.8	66.1	67.0	68.7	70.8	71.4	73.3	74.4	75.8	78.1	77.4	70.6	65.3					
(0. RAD/SEC)	200	58.7	63.7	65.8	67.0	69.4	71.5	71.9	73.8	73.7	75.3	76.2	74.6	68.8	61.5					
NFD 0. RPM	250	60.5	63.3	65.7	68.8	69.9	71.5	71.3	73.2	73.1	74.5	75.1	73.9	67.2	60.3					
(0. RAD/SEC)	315	59.3	64.4	67.7	68.1	69.3	70.8	71.5	72.6	73.0	74.7	73.9	72.6	65.9	58.6					
AIRFLOW RATIO	400	58.5	64.4	67.4	69.1	71.3	72.0	72.6	73.6	73.3	75.2	74.3	72.4	66.8	59.5					
WF/W 8.00	500	57.5	64.4	67.2	68.9	70.5	72.7	73.2	74.6	74.7	76.0	74.8	73.1	67.3	59.9					
	630	57.2	64.1	67.0	68.7	71.0	73.6	74.0	75.8	76.3	77.6	75.9	74.0	68.7	60.7					
VEHICLE JENOTS	800	57.6	64.9	67.6	69.9	72.1	74.8	74.1	75.7	76.8	78.0	76.2	74.8	69.7	62.1					
CCNFIG JE 056	1000	57.4	65.2	68.4	69.7	72.8	74.9	75.0	76.8	76.7	78.6	76.8	75.2	69.8	63.5					
LCC EVENDALE	1250	57.3	64.6	68.3	70.8	73.6	75.1	75.0	77.3	77.5	78.4	76.4	75.1	69.7	62.4					
DATE 04-22-75	1600	54.3	63.6	67.4	69.1	72.7	74.4	75.1	76.8	76.8	76.6	75.1	73.6	68.1	59.6					
RUN DBTF-MODEL 2	2000	51.1	61.5	65.1	67.9	70.9	72.7	73.8	75.5	75.3	74.3	71.8	70.8	64.6	53.7					
TAPE X20180	2500	47.3	60.5	64.2	66.0	68.1	69.4	70.0	71.8	72.0	69.7	67.6	65.2	58.6	45.8					
PAN-TIR SPEED	3150	40.4	56.1	60.7	62.3	63.7	64.0	64.3	65.4	65.1	63.3	59.7	56.8	50.1	33.6					
FT/SEC	4000	23.0	41.5	48.2	53.0	54.7	56.6	55.8	57.1	55.9	53.5	49.8	45.2	37.4	13.8					
	5000	13.2	32.9	40.1	44.5	47.8	49.5	49.4	49.9	49.3	46.9	41.5	37.0	28.1	2.0					
	6300		16.7	26.7	32.0	34.9	37.1	37.2	38.3	36.6	33.5	26.8	21.5	8.0						
	8000			6.0	14.3	18.1	21.0	21.5	23.0	20.4	15.7	7.7	0.6							
	10000						3.0	3.9	4.5											
OVERALL CALCULATED		71.7	76.3	79.2	80.8	83.0	84.9	85.4	87.1	87.7	88.6	88.6	89.6	88.0	82.7					
PND8		75.4	83.9	87.4	89.3	91.8	93.6	94.3	96.0	96.1	96.3	95.0	94.1	88.9	81.1					

		PROC. DATE - MONTH 5 DAY 1 HR: 9:7 DEG. F, 70 PERCENT REL. HUM, DAY 7 JENOTS																PWL		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,		
REV. ALPHA 12/73	FREQ.	50	86,2	84,5	87,3	87,2	88,7	88,7	89,6	92,1	94,6	97,1	97,0	104,5	108,7	105,6			158,0	
		63	98,1	88,3	88,8	88,3	88,7	90,4	91,5	93,2	94,4	96,4	99,2	106,6	107,6	105,1			158,3	
NO EGA		80	88,1	88,2	88,5	87,7	89,2	89,3	91,4	93,1	95,2	97,2	100,5	105,3	107,9	105,8			158,3	
RDG. NO. 0.		100	87,0	89,2	88,6	89,5	90,3	90,5	91,4	94,1	95,5	99,0	101,5	103,8	104,2	103,2			156,9	
RADIAL 320, FT.		125	87,8	87,6	88,3	88,9	89,5	90,9	92,4	93,3	95,6	98,6	100,7	102,2	101,9	98,2			159,5	
(98, M)		160	86,2	88,4	88,9	88,8	89,5	90,9	92,4	93,9	95,4	98,6	100,8	101,5	98,4	94,7			154,9	
VEHICLE JENOTS		200	85,6	88,7	88,7	89,5	90,6	91,7	92,5	94,0	95,3	97,8	99,3	99,0	95,6	92,7			153,8	
CONFIG JE-056		250	87,3	87,8	88,5	90,9	91,0	92,1	92,5	93,8	95,0	97,6	98,7	98,5	94,4	91,8			153,5	
LOC EVENDALE		315	86,3	89,3	90,5	90,0	90,6	91,7	92,5	93,9	95,3	97,6	97,8	98,0	94,7	90,3			193,3	
DATE 04-22-75		400	86,6	89,9	90,6	91,0	91,6	92,9	93,6	94,7	95,8	98,4	98,5	98,7	96,4	93,4			154,2	
RUN DBT=MODEL 2		500	85,5	89,8	91,1	91,4	92,2	93,6	94,4	95,8	96,9	99,0	98,9	99,4	97,1	93,8			155,0	
TAPE X20190		630	87,1	90,6	90,9	92,4	93,1	94,9	95,4	97,3	99,1	100,6	100,5	101,9	99,3	96,2			156,8	
BAR 29,9 HG		800	87,7	91,7	92,7	93,3	94,5	95,9	96,1	97,8	100,0	101,8	101,8	102,8	101,5	98,0			158,0	
(01039, N/M2)		1000	88,8	92,8	93,6	94,1	95,3	96,2	96,3	98,5	100,1	102,5	103,2	104,3	102,7	100,5			159,0	
TAMB 59, DEG F		1250	89,8	94,0	94,3	94,8	96,3	96,9	97,3	99,6	101,2	103,2	103,7	104,8	104,2	101,6			160,0	
(288, DEG K)		1600	89,6	94,9	95,0	95,4	96,8	97,8	98,4	100,0	101,4	102,7	103,1	105,1	104,3	102,5			160,3	
TWET 53, DEG F		2000	90,2	96,0	96,0	95,3	97,0	97,2	98,6	100,1	101,1	101,5	101,9	104,0	102,7	100,6			159,8	
(285, DEG K)		2500	90,2	98,0	97,2	96,2	96,0	96,2	96,8	98,6	100,2	99,4	100,1	100,8	100,4	97,2			158,6	
HACT 8.91 GM/M3		3150	88,2	95,9	96,6	97,5	96,0	95,3	95,1	96,4	97,4	97,0	96,7	98,6	98,4	95,1			157,3	
(00691 KG/M3)		4000	82,6	89,7	90,0	92,0	91,8	93,3	91,9	93,3	93,5	93,7	93,8	95,9	95,0	91,9			154,4	
FREQ. SHIFT		5000	80,9	87,4	87,9	88,9	88,5	88,8	88,5	89,9	90,5	90,8	89,8	92,7	92,6	90,9			151,6	
JET 9		6300	79,5	85,5	85,7	86,3	85,4	85,5	85,5	87,2	87,2	88,8	87,6	92,1	92,2	91,5			150,9	
DIAMETER RATIO		8000	80,2	83,4	83,1	84,8	84,1	83,8	83,8	85,9	85,8	88,2	85,8	93,0	92,7	93,0			152,4	
DF/DM 8.00		10000	81,5	83,1	82,1	83,6	83,9	84,2	84,5	86,2	84,4	87,6	85,7	95,0	94,7	94,2			156,1	
OVERALL CALCULATED			100,9	105,4	105,6	106,0	106,5	107,3	107,9	109,6	111,0	112,7	113,5	115,8	116,1	113,6			170,7	
PNDB			113,0	118,9	118,9	119,6	119,3	119,4	119,9	121,6	122,9	123,6	124,0	126,1	125,4	122,8			172,0	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV, ALPHA 12/73	FREQ,	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	0,	0,
NO EGA	50	62,3	62,9	67,3	68,2	70,4	70,9	71,9	74,3	76,3	78,1	77,0	82,9	84,9	78,3			
SIDELINE 2400, FT	63	64,1	66,7	68,7	69,3	70,5	72,5	73,8	75,4	76,2	77,5	79,1	85,0	83,6	77,6			
(731,52 M)	80	64,0	66,5	68,3	68,7	70,9	71,4	73,6	75,2	76,9	78,2	80,3	83,6	83,9	78,2			
NFA 0, RPM	100	62,8	67,3	68,4	70,4	71,9	72,6	73,6	76,2	77,2	79,9	81,2	81,9	80,0	75,4			
(0, RAD/SEC)	125	63,5	65,7	67,9	69,7	71,1	72,9	74,5	75,3	77,2	78,4	80,4	80,2	77,5	70,2			
NFK 0, RPM	160	61,7	66,3	68,4	69,5	70,9	72,8	74,4	75,8	76,9	78,3	80,4	79,4	73,9	66,3			
(0, RAD/SEC)	200	60,7	66,4	68,0	70,0	71,9	73,5	74,4	75,8	76,7	78,3	78,7	76,6	70,8	64,0			
NFD 0, RPM	250	62,2	65,3	67,7	71,3	72,1	73,7	74,3	75,4	76,1	78,0	77,8	75,9	69,2	62,6			
(0, RAD/SEC)	315	60,8	66,4	69,4	70,1	71,6	73,1	74,0	75,3	76,2	77,7	76,7	75,1	69,1	60,4			
AIRFLOW RATIO	400	60,5	66,6	69,1	70,8	72,3	74,0	74,9	75,8	76,5	78,2	77,0	75,4	70,3	62,7			
WF/WM 8,00	500	58,7	66,0	69,2	70,9	72,6	74,5	75,4	76,6	77,2	78,5	77,0	75,6	70,3	62,2			
	630	59,4	66,1	68,5	71,4	73,0	75,3	76,0	77,8	79,1	79,6	78,1	77,5	71,7	63,2			
	800	58,9	66,4	69,6	71,6	73,9	75,8	76,1	77,7	79,3	80,2	78,7	77,5	72,7	63,3			
VEHICLE JENOTS	1000	58,7	66,5	69,7	71,7	74,0	75,4	75,7	77,8	78,7	80,1	79,3	77,9	72,6	63,8			
CONFIG JE-056	1250	58,0	66,4	69,3	71,5	74,1	75,4	76,0	78,1	79,0	79,9	78,7	77,1	72,4	62,4			
LOC EVENDALE	1600	55,3	65,4	68,4	70,8	73,4	75,1	75,9	77,3	78,0	78,1	76,6	75,6	70,1	59,6			
DATE 04-22-75	2000	53,1	64,3	67,6	69,1	72,1	73,2	74,8	76,0	76,3	75,3	73,6	72,3	65,6	53,4			
RUN DBTF-MODEL 2	2500	48,8	63,1	66,2	67,7	69,1	70,1	71,0	72,5	73,3	70,9	69,1	65,9	59,1	43,8			
TAPE X20190	3150	40,1	55,9	61,4	65,3	65,7	66,0	66,3	67,2	67,1	64,8	61,5	58,5	50,4	31,6			
FAN TIP SPEED	4000	24,5	42,0	48,5	54,3	56,5	59,3	58,3	59,3	58,2	56,0	52,3	48,2	36,9	13,3			
FT/SEC	5000	16,9	35,2	42,6	48,0	50,3	52,0	52,2	53,1	52,3	49,9	44,5	40,5	28,6	3,5			
	6300		20,2	29,7	36,0	38,6	40,6	41,2	42,3	40,4	38,5	31,6	26,8	11,0				
	8000			10,5	20,0	24,1	26,5	27,3	28,5	25,9	23,5	13,2	7,6					
	10000					5,6	9,5	10,9	11,5	6,1	4,8							
OVERALL CALCULATED		73,4	78,5	81,1	83,0	84,8	86,3	87,2	88,8	89,9	91,1	91,0	91,9	90,4	84,1			
PND8		76,9	86,1	89,3	91,4	93,5	94,8	95,9	97,3	97,9	98,3	97,1	96,3	91,3	82,3			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0, 0, 0, PHL			
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,						
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,			
	50	89,7	87,0	95,3	88,4	90,2	91,2	92,3	94,1	96,6	100,1	100,3	107,3	111,5	108,1				160,8		
NO EGA	63	91,1	90,3	90,6	89,5	91,5	92,4	93,7	95,5	97,4	98,7	101,7	108,6	109,6	107,8				160,4		
RDG. NO. 0,	80	91,1	91,7	91,2	90,0	91,2	91,5	94,1	95,4	98,2	100,2	103,0	107,6	110,2	107,3				160,5		
RADIAL 320, FT.	100	90,0	91,4	91,1	91,5	92,5	93,3	94,2	96,6	99,0	102,5	103,5	106,5	106,0	106,7				159,5		
(98, M)	125	91,6	89,9	91,0	91,4	92,0	93,7	95,2	96,1	98,6	102,6	103,2	104,7	103,4	101,7				158,2		
VEHICLE JENOTS	160	90,5	91,2	90,9	91,5	92,5	93,9	95,2	96,9	98,2	101,6	104,3	105,2	100,9	98,7				158,1		
CONFIG JE-056	200	89,1	91,0	90,9	91,7	93,1	94,5	95,5	96,7	98,8	101,0	102,6	102,5	99,6	96,5				157,0		
LOC EVENDALE	250	90,3	90,6	90,5	93,2	94,2	95,1	95,0	96,6	98,0	101,1	102,2	102,0	99,1	95,8				156,8		
DATE 04-22-75	315	89,6	91,1	92,5	92,0	93,1	94,2	95,0	96,4	99,1	101,1	100,8	101,5	98,4	96,0				156,5		
RUN DBTF-MODEL 2	400	89,3	91,4	92,3	93,3	94,4	95,4	95,6	97,2	99,1	101,4	102,0	102,2	98,9	96,4				157,2		
TAPE X20200	500	88,5	91,8	92,6	93,1	94,7	96,1	96,9	97,8	99,9	102,0	102,1	102,4	99,9	97,1				157,7		
BAR 29,9 HG	630	89,8	92,1	92,2	93,7	95,1	97,4	97,9	99,3	101,6	103,1	103,0	104,4	101,8	99,2				159,2		
(01039, N/M2)	800	90,4	92,7	93,9	95,0	96,3	97,6	98,3	100,3	102,2	104,1	104,5	105,6	104,2	101,2				160,4		
TAMB 59, DEG F	1000	91,3	93,6	94,4	95,8	97,3	98,4	98,6	100,8	102,6	104,5	105,0	105,8	105,2	103,2				161,0		
(288, DEG K)	1250	92,8	94,3	95,3	96,8	97,5	99,2	98,8	101,1	102,7	104,7	105,2	106,8	105,5	103,8				161,6		
TWET 53, DEG F	1600	92,6	96,4	97,0	97,4	99,1	100,1	99,9	101,5	102,4	104,2	104,9	106,3	105,3	103,0				161,8		
(285, DEG K)	2000	94,4	99,0	99,7	98,3	99,2	99,5	99,8	101,1	101,1	101,8	103,4	105,0	103,5	100,6				161,0		
WACT 8,91 GH/M3	2500	92,4	97,7	98,9	99,7	99,2	97,9	97,5	99,6	100,2	100,4	100,6	101,8	100,6	97,7				159,7		
(.00891 KG/M3)	3150	88,9	93,6	95,4	97,5	97,7	97,5	96,1	97,4	97,9	98,2	97,9	99,1	98,2	95,6				158,0		
FREQ. SHIFT	4000	84,6	89,2	91,0	91,7	92,8	94,6	93,1	94,3	94,5	98,9	95,3	96,2	95,7	92,4				155,4		
JET 9	5000	81,9	87,6	88,9	89,7	89,2	90,0	89,5	90,9	92,5	93,1	92,8	93,7	92,9	91,1				152,9		
DIAMETER RATIO	6300	80,8	84,7	86,0	86,5	86,4	87,0	86,5	88,7	91,2	94,4	92,6	94,1	92,4	90,0				153,2		
DF/DM 8.00	8000	81,0	83,4	84,3	84,5	84,6	84,6	84,3	86,9	92,3	94,5	93,5	93,7	93,2	92,3				155,1		
	10000	82,2	82,6	82,6	84,4	84,6	84,5	84,3	86,7	92,9	97,6	94,2	97,0	95,0	94,2				159,5		
OVERALL CALCULATED		103,9	106,5	107,5	107,8	108,7	109,5	109,8	111,4	113,1	115,1	115,9	118,0	118,1	115,9				172,8		
PNDB		115,5	119,3	120,4	121,0	121,3	121,6	121,3	123,0	124,3	125,7	126,2	127,7	126,4	124,0				174,1		

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV: ALPHA 12/73	FREQ:	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	65.8	65.4	75.3	69.5	71.9	73.4	74.7	76.3	78.3	81.1	80.2	85.7	87.6	80.8			
SIDELINE 2400, FT.	63	67.1	68.7	70.5	70.5	73.2	74.5	76.0	77.6	79.2	79.7	81.6	87.0	85.6	80.4			
(731.52 M)	80	67.0	70.0	71.1	70.9	72.9	73.6	76.4	77.5	79.9	81.2	82.8	85.8	86.1	79.7			
NFA	100	65.8	69.6	70.9	72.4	74.1	75.3	76.4	78.7	80.7	83.4	83.2	84.7	81.8	78.9			
0, RPM	125	67.2	67.9	70.7	72.2	73.6	75.7	77.3	78.1	80.2	83.4	82.9	82.7	79.0	73.7			
(0, RAD/SEC)	160	65.9	69.1	70.4	72.2	73.9	75.8	77.2	78.8	79.6	82.3	83.9	83.1	76.4	70.3			
NFK	200	64.2	68.7	70.3	72.3	74.4	76.3	77.4	78.5	80.2	81.5	82.0	80.1	74.8	67.7			
(0, RAD/SEC)	250	65.2	68.0	69.7	73.5	75.4	76.7	76.8	78.2	79.1	81.5	81.3	79.4	74.0	66.6			
NFD	315	64.0	68.2	71.4	72.1	74.1	75.6	76.5	77.8	80.0	81.2	79.7	78.6	72.9	66.1			
(0, RAD/SEC)	400	63.2	68.1	70.9	73.1	75.1	76.5	76.9	78.3	79.8	81.2	80.3	78.9	72.8	65.7			
AIRFLOW RATIO	500	61.7	68.0	70.7	72.6	75.1	77.0	77.9	78.6	80.2	81.5	80.3	78.6	73.1	65.4			
WF/KM -8.00	630	62.2	67.6	69.8	72.7	75.0	77.8	78.5	79.8	81.6	82.1	80.6	80.0	74.2	66.2			
	800	61.6	67.4	70.8	73.4	75.6	77.5	78.4	80.2	81.5	82.5	81.4	80.3	75.5	66.6			
VEHICLE JENOTS	1000	61.2	67.2	70.4	73.5	76.0	77.7	78.0	80.0	81.2	82.1	81.0	79.4	75.1	66.5			
CONFIG JE-056	1250	61.0	66.6	70.3	73.5	75.4	77.6	77.5	79.6	80.5	81.4	80.2	79.1	73.7	64.6			
LOC EVENDALE	1600	58.3	66.9	70.4	72.8	75.7	77.4	77.4	78.8	79.0	79.6	78.4	76.9	71.1	60.1			
DATE 04-22-75	2000	57.3	67.3	71.4	72.1	74.4	75.4	76.0	77.0	76.3	75.6	75.1	73.3	66.4	53.4			
RUN DBTF=MODEL 2	2500	51.1	62.8	67.9	71.2	72.3	71.9	71.8	73.5	73.3	71.9	69.6	66.9	59.3	44.3			
TAPE X20200	3150	40.9	53.6	60.2	65.3	67.5	68.3	67.3	68.2	67.6	66.0	62.7	59.0	50.1	32.1			
FAN TIP SPEED	4000	28.5	41.5	49.5	54.0	57.5	60.6	59.6	60.3	59.2	58.2	53.8	48.5	37.6	13.8			
FT/SEC	5000	17.9	35.4	43.6	48.8	51.0	53.3	53.2	54.1	54.3	52.2	47.5	41.5	28.9	3.8			
	6300		19.4	29.9	36.2	39.6	42.1	42.2	43.8	44.4	44.0	35.6	28.8	11.2				
	8000			11.7	19.8	24.6	27.2	27.8	29.5	32.4	29.7	20.9	8.4					
	10000				6.3	9.7	10.7	12.0	14.6	12.8								
OVERALL CALCULATED		75.6	80.4	83.5	85.0	87.1	88.7	89.5	91.0	92.4	93.9	93.6	94.5	92.7	86.8			
PND8		80.3	87.9	91.7	93.9	95.7	97.1	97.7	99.0	99.6	100.4	99.3	98.4	93.3	85.8			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL	
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180		
REV: ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)		
	50	82.2	80.2	84.8	82.9	84.2	85.0	86.8	89.1	91.6	94.8	95.0	102.5	105.5	103.9			155.4	
	63	84.6	84.3	84.8	82.3	84.0	85.4	86.5	88.5	90.2	91.7	95.0	102.9	104.6	101.3			154.6	
RDG: NO. 0	80	85.1	84.5	84.5	83.5	84.5	85.3	87.4	89.4	91.2	92.2	97.7	102.8	104.7	103.3			155.2	
RADIAL 320. FT.	100	83.5	83.9	84.1	84.5	85.3	86.0	86.7	89.6	91.0	94.3	97.5	100.5	101.0	104.2			154.0	
(98. M)	125	84.1	82.4	84.0	84.2	84.8	86.9	87.9	89.8	91.4	94.6	97.2	99.7	98.6	97.7			152.3	
VEHICLE JENOTS	160	82.5	82.4	83.9	83.8	85.0	86.4	87.9	89.9	90.7	94.1	97.3	99.5	96.7	94.2			151.7	
CONFIG JE-056	200	81.1	83.2	83.7	84.0	85.3	87.0	88.0	89.5	90.1	92.8	95.8	96.0	93.4	90.7			149.8	
LOC EVENDALE	250	82.1	82.6	83.5	86.2	86.7	87.4	87.0	88.8	90.5	92.1	94.7	94.8	91.4	89.0			149.1	
DATE 04-22-75	315	81.8	84.3	85.3	84.7	85.1	86.2	87.0	88.7	89.6	91.6	92.8	93.2	88.9	87.0			148.0	
RUN DBTF-MODEL 2	400	80.8	83.9	84.3	84.8	85.6	86.6	87.1	88.4	89.1	92.4	93.5	92.4	88.6	86.4			148.1	
TAPE X20210	500	80.0	83.8	84.3	85.1	86.5	87.4	87.2	88.8	89.6	92.2	93.1	91.6	88.4	86.8			148.1	
BAR 29.9 HG	630	80.8	84.8	84.9	85.7	86.6	88.4	88.6	90.3	91.1	94.1	93.8	93.2	90.3	88.7			149.5	
(01039, N/M2)	800	81.9	85.5	86.9	87.3	88.5	90.4	90.1	91.3	91.5	94.8	95.3	94.8	92.7	91.7			150.9	
TAMB 59, DEG F	1000	82.5	87.1	88.1	88.1	89.8	91.4	90.8	92.5	92.8	95.2	96.0	96.0	94.0	93.7			152.0	
(288, DEG K)	1250	83.8	87.5	88.6	88.8	91.3	91.7	91.5	93.6	94.7	96.2	95.9	96.5	95.0	95.6			153.0	
THET 53, DEG F	1600	82.3	87.1	88.7	89.2	91.3	92.1	92.1	94.0	94.4	96.2	95.6	96.3	96.3	95.4			153.3	
(285, DEG K)	2000	81.2	86.2	87.7	88.0	90.7	91.0	91.8	93.8	93.4	95.5	94.2	94.5	94.2	93.8			152.3	
HACT 8.91 GM/M3	2500	78.4	84.2	85.1	85.5	87.2	88.2	88.5	90.6	91.4	91.9	91.6	91.6	91.6	90.7			149.8	
(.00891 KG/M3)	3150	74.7	80.6	81.9	82.3	83.7	84.8	85.4	87.7	87.9	88.7	86.7	88.1	91.2	85.6			147.1	
FREQ, SHIFT	4000	70.4	78.2	77.5	78.2	79.3	81.1	81.9	83.6	83.7	85.2	83.6	83.9	91.0	81.4			144.7	
JET 9	5000	67.2	72.4	74.1	74.7	75.2	76.3	77.2	78.9	80.3	80.6	79.0	79.7	87.6	78.1			141.1	
DIAMETER RATIO	6300	64.0	68.2	69.2	70.3	70.4	72.0	72.7	74.7	76.4	78.6	76.1	77.3	83.9	74.8			138.9	
DF/DH 8.00	8000	63.7	65.9	65.1	67.5	67.6	67.6	68.3	71.1	75.1	79.0	75.5	77.0	83.7	74.8			139.9	
	10000	65.5	65.1	63.9	66.6	67.4	67.2	67.5	69.5	75.6	81.9	77.2	78.5	82.0	76.4			143.2	
OVERALL CALCULATED		95.1	97.4	98.5	98.7	100.3	101.3	101.7	103.5	104.4	106.6	108.0	110.8	111.8	110.5			164.9	
PNDB		103.9	107.8	109.0	107.4	111.2	112.0	112.6	114.5	115.0	118.7	116.8	117.7	118.0	118.0			166.2	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99° DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	(0)	(0)
REV. ALPHA 12/73	FREQ.	50	58.3	58.6	64.8	64.0	63.9	67.2	69.2	71.3	73.3	75.9	75.0	80.9	81.6	76.6				
NO EGA	63	60.6	62.7	64.7	63.3	65.7	67.5	68.8	70.6	71.9	72.7	74.9	81.2	80.6	73.9					
SIDELINE 2400 FT	80	61.0	62.7	64.3	64.4	66.2	67.4	69.6	71.5	72.9	73.2	77.6	81.1	80.6	75.7					
(751.52 M)	100	59.3	62.1	63.9	65.4	66.9	68.1	68.9	71.7	72.7	73.2	77.2	78.7	76.8	76.4					
NFA 0 RPM	125	59.7	60.4	63.7	65.0	66.3	68.9	70.0	71.8	72.9	75.4	76.9	77.7	74.3	69.7					
(0 RAD/SEC)	160	57.9	60.3	63.4	64.5	66.4	68.3	69.9	71.8	72.1	74.8	76.9	77.4	72.1	65.8					
NFK 0 RPM	200	56.2	60.9	63.0	64.5	66.6	68.8	69.9	71.3	71.4	75.3	75.2	73.6	68.3	62.0					
(0 RAD/SEC)	250	57.0	60.0	62.7	66.5	67.9	69.0	68.8	70.4	71.6	72.5	73.8	72.2	66.2	59.8					
MFD 0 RPM	315	56.3	61.4	64.2	64.9	66.1	67.6	68.5	70.1	70.5	71.7	71.7	70.3	63.4	57.1					
(0 RAD/SEC)	400	54.7	60.6	62.9	64.6	66.3	67.8	68.4	69.6	69.8	72.2	72.0	69.1	62.5	55.7					
AIRFLOW RATIO	500	53.2	59.9	62.4	64.6	66.8	68.2	68.2	69.6	70.0	71.7	71.3	67.8	61.6	55.2					
WF/WM 8.00	630	53.2	60.4	62.5	64.7	66.5	68.8	69.2	70.8	71.1	73.1	71.4	68.7	62.7	55.7					
	800	53.1	60.1	63.8	65.6	67.9	70.3	70.1	71.2	70.8	73.2	72.2	69.5	64.0	57.1					
VEHICLE JENOTS	1000	52.4	60.7	64.2	65.7	68.5	70.7	70.2	71.8	71.5	72.9	72.0	69.7	63.8	57.0					
CONFIG JE-056	1250	52.0	59.9	63.8	65.5	69.1	70.1	70.2	72.1	72.5	72.9	70.9	68.9	63.2	56.4					
LOC EVENDALE	1600	48.1	57.6	62.2	64.6	67.9	69.4	69.6	71.3	71.0	71.6	69.1	65.9	62.1	52.6					
DATE 04-22-75	2000	44.1	54.5	59.4	61.9	65.9	66.9	68.0	69.8	68.6	69.3	65.8	62.8	57.1	46.7					
RUN DBTF-MODEL 2	2500	37.1	49.3	54.2	57.0	60.3	62.1	62.8	64.5	64.5	63.4	60.6	56.7	50.3	37.3					
TAPE X20210	3150	26.6	40.6	46.7	50.3	53.5	55.5	56.5	58.4	57.6	56.5	51.5	48.0	43.1	22.1					
FAN YIP SPEED	4000	12.3	28.5	35.9	40.5	44.0	47.1	48.3	49.6	48.4	47.5	42.0	36.2	32.9	2.8					
FT/SEC	5000	3.2	20.2	28.9	33.8	37.0	39.5	40.9	42.1	42.0	39.7	33.8	27.5	23.6						
	6300		2.9	13.2	20.0	23.6	27.1	28.5	29.8	29.6	28.3	20.1	12.0	2.7						
	8000				2.8	7.6	10.2	11.8	13.8	15.1	14.2	2.9								
	10000																			
OVERALL CALCULATED		69.1	72.8	75.8	77.2	79.4	81.0	81.7	83.4	84.0	85.6	86.5	88.3	86.9	82.3					
PNDB		70.5	77.9	81.8	84.0	86.9	88.6	89.2	90.9	90.8	91.8	90.6	89.3	85.3	80.0					

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL			
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0, 0)	(0, 0)	(0, 0)	(0, 0)		
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0, 0)	(0, 0)	(0, 0)	(0, 0)		
	50	84.4	82.0	85.6	84.2	85.2	86.5	88.1	90.1	92.8	96.1	96.8	104.5	107.5	105.9					157.3	
NO EGA	63	85.8	86.1	86.3	85.0	85.7	87.4	89.0	90.5	92.2	93.9	97.5	104.6	106.3	103.8					156.5	
RDG. NO. 0.	80	86.6	85.7	86.2	85.0	86.5	87.3	89.1	90.9	93.7	94.7	98.7	105.3	106.7	104.3					157.2	
RADIAL 320. FT.	100	84.7	85.7	86.1	86.3	87.3	87.5	88.4	91.4	93.3	96.5	99.2	102.3	102.2	105.2					155.5	
(98. M)	125	85.6	84.6	86.0	85.7	86.5	88.2	89.4	91.1	93.1	96.3	99.0	101.2	99.9	98.2					153.8	
VEHICLE JENOTS	160	84.2	84.7	85.9	85.3	86.2	88.2	88.9	91.2	92.4	95.9	98.6	100.7	96.7	94.7					152.9	
CONFIG JE#056	200	82.8	85.0	85.4	86.2	87.3	88.7	89.0	90.7	92.1	95.3	97.6	97.2	94.1	90.7					151.4	
LOC EVENDALE	250	84.6	84.8	85.5	87.4	88.5	89.1	89.0	90.6	92.0	93.9	96.2	96.3	92.1	89.8					150.7	
DATE 04-22-75	315	84.1	86.6	87.3	86.7	87.4	89.2	89.0	90.2	91.3	94.1	94.8	95.0	90.4	87.8					150.0	
RUN DBTF=MODEL 2	400	83.3	86.9	87.8	87.5	88.1	89.4	89.6	90.9	91.8	94.4	94.7	94.9	91.4	88.9					150.4	
TAPE X20220	500	82.7	86.8	87.3	88.4	89.0	90.1	90.2	92.3	92.9	95.7	95.1	94.6	92.1	89.6					151.1	
BAR 29.9 HG	630	83.6	87.6	88.2	88.7	89.6	91.2	91.6	93.6	94.9	97.6	97.0	97.2	94.1	91.9					152.9	
(01039, N/M2)	800	84.9	89.2	90.2	90.8	91.8	93.1	93.3	94.5	95.5	99.1	98.8	98.8	96.5	95.5					154.6	
TAMB 59, DEG F	1000	85.5	90.6	91.1	91.6	92.8	94.4	93.8	96.3	96.6	99.7	99.5	100.0	98.5	97.7					155.8	
(288, DEG K)	1250	87.3	91.0	91.8	92.6	94.0	94.9	95.0	97.3	98.2	100.2	100.4	101.5	100.0	99.6					157.0	
TWET 53, DEG F	1600	86.8	91.4	92.7	93.2	95.1	95.8	95.9	98.0	98.6	100.5	100.1	102.1	100.8	99.9					157.7	
(285, DEG K)	2000	86.7	91.2	92.0	92.0	94.2	95.2	96.1	97.3	98.6	99.3	99.2	101.0	100.5	99.3					157.2	
HACT 8.91 GM/M3	2500	85.6	91.4	92.1	91.7	92.7	93.2	93.5	95.8	96.9	97.2	96.6	98.8	98.6	98.9					155.7	
(.00891 KG/M3)	3150	84.4	91.1	91.1	90.5	90.2	90.5	90.1	92.4	93.2	94.0	93.2	95.8	96.4	95.9					153.4	
FREQ. SHIFT	4000	79.6	86.7	87.2	87.2	86.8	87.8	86.9	88.6	89.0	90.4	89.1	90.9	95.0	90.1					150.5	
JET 9	5000	74.9	82.1	83.1	83.7	84.0	83.3	83.0	84.6	85.3	86.3	85.0	86.7	91.4	87.4					147.1	
DIAMETER RATIO	6300	70.8	77.2	78.2	78.0	78.9	80.0	79.5	81.2	80.9	83.6	81.3	83.6	88.2	83.8					144.6	
DF/DH 8.00	8000	67.5	72.9	73.8	73.8	76.3	76.6	76.6	79.1	78.6	81.7	78.0	80.5	84.7	80.8					143.6	
	10000	66.5	68.3	68.1	69.9	76.1	76.7	77.0	79.2	77.1	83.6	78.2	79.5	84.0	79.2					146.1	
OVERALL CALCULATED		98.0	101.4	102.2	102.3	103.5	104.5	104.8	106.7	107.8	110.0	110.8	113.6	114.0	112.8					167.9	
PND8		108.9	113.9	114.4	114.3	115.3	116.1	116.5	118.4	119.4	120.8	120.8	122.6	122.4	121.4					169.2	

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV, ALPHA 12/73	FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,
NO EGA	50	60,6	60,4	65,5	65,2	66,9	68,7	70,4	72,3	74,6	77,1	76,7	82,9	83,6	78,6			
SIDELINE 2400, FT,	63	61,9	64,4	66,2	66,0	67,5	69,5	71,3	72,6	73,9	74,0	77,4	83,0	82,4	76,4			
(731,52 M)	80	62,5	64,0	66,1	65,9	68,2	69,4	71,4	73,0	75,4	75,7	78,6	83,6	82,6	76,7			
NFA 0, RPM	100	60,5	63,8	65,8	67,2	68,9	69,6	70,6	73,4	74,9	77,4	79,0	80,4	78,0	77,4			
(0, RAD/SEC)	125	61,2	62,7	65,7	66,5	68,1	70,2	71,5	73,1	74,7	77,2	78,6	79,2	75,5	70,2			
NFK 0, RPM	160	59,7	62,6	65,4	66,0	67,7	70,1	70,9	73,1	73,9	76,6	78,1	78,6	72,1	66,3			
(0, RAD/SEC)	200	58,0	62,7	64,8	66,8	68,6	70,5	70,9	72,5	73,4	75,8	77,0	74,9	69,3	62,0			
NFD 0, RPM	250	59,5	62,3	64,7	67,8	69,6	70,7	70,8	72,2	73,1	74,3	75,3	73,7	67,0	60,6			
(0, RAD/SEC)	315	58,5	63,7	66,2	66,9	68,3	70,6	70,5	71,6	72,2	74,2	73,7	72,1	64,9	57,9			
AIRFLOW RATIO	400	57,2	63,6	66,4	67,3	68,8	70,5	70,9	72,1	72,5	74,2	73,3	71,6	65,3	58,2			
WF/HM 8,00	500	56,0	62,9	65,4	67,9	69,3	71,0	71,2	73,1	73,2	75,2	73,3	70,8	65,3	57,9			
	630	55,9	63,1	65,8	67,7	69,5	71,6	72,2	74,0	74,8	76,6	74,6	72,7	66,5	59,0			
	800	56,1	63,9	67,1	69,1	71,1	73,0	73,4	74,4	74,8	77,5	75,7	73,5	67,7	60,8			
VEHICLE JENOTS	1000	55,4	64,2	67,2	69,2	71,5	73,7	73,2	75,5	75,2	77,4	75,5	73,7	68,3	61,0			
CONFIG JE-056	1250	55,5	63,4	66,8	69,3	71,9	73,4	73,7	75,8	76,0	76,9	75,4	73,9	68,2	60,4			
LOC EVENDALE	1600	52,6	61,9	66,2	68,6	71,7	73,1	73,4	75,3	75,3	75,9	73,6	72,6	66,6	57,1			
DATE 04-22-75	2000	49,6	59,5	63,6	65,9	69,4	71,2	72,3	73,3	73,8	73,1	70,8	69,3	63,4	52,2			
RUN DBT=MODEL 2	2500	44,3	56,5	61,2	63,2	65,8	67,1	67,8	69,8	70,0	68,7	65,6	63,9	57,3	45,5			
TAPE X20220	3150	36,4	51,1	55,9	58,3	60,0	61,3	61,3	63,2	62,9	61,8	58,0	55,8	48,4	32,4			
FAN TIP SPEED	4000	21,5	39,0	45,7	49,5	51,5	53,8	53,3	54,6	53,7	52,7	47,5	43,2	36,9	11,6			
FT/SEC	5000	10,9	29,9	37,9	42,8	45,8	46,5	46,7	47,9	47,0	45,4	39,8	34,5	27,4	0,0			
	6300		11,9	22,2	27,7	32,1	35,1	35,2	36,3	34,1	33,3	25,3	18,3	7,0				
	8000			1,2	9,0	16,4	19,2	20,0	21,8	18,6	17,0	5,4						
	10000						2,0	3,4	4,5									
OVERALL CALCULATED		71,1	75,4	78,3	79,9	81,9	83,7	84,3	86,0	86,8	88,4	88,6	90,4	88,8	83,8			
PNDB		74,0	81,9	85,7	87,9	90,4	92,1	92,8	95,3	94,8	95,6	94,1	93,3	88,2	82,1			

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY # JENOTS)

REV, ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
NO EGA	50	86,4	84,0	87,1	86,7	88,2	89,0	90,3	92,3	94,8	97,8	98,8	106,5	110,0	107,6					159,5
RDG, NO, 0,	63	88,3	88,3	88,6	86,8	88,0	89,9	91,2	92,7	94,4	96,4	100,0	106,6	108,6	106,3					158,8
RADIAL 320, FT.	80	89,8	88,2	88,7	87,2	89,2	89,3	91,1	93,4	95,2	97,5	101,5	106,6	108,9	105,8					159,1
(98, M)	100	86,7	88,2	88,6	88,5	89,8	90,0	91,2	93,9	95,5	98,8	101,7	104,8	103,7	105,5					157,3
VEHICLE JENOTS	125	87,8	86,6	88,5	87,9	88,5	90,9	92,2	93,8	95,6	98,6	101,0	102,9	101,4	99,7					155,7
CONFIG JE=056	160	86,7	86,9	88,1	88,0	89,0	90,9	92,2	93,9	94,9	98,4	101,3	102,0	97,9	95,9					155,0
LOC EVENDALE	200	85,6	87,2	87,7	88,3	89,8	91,2	92,0	93,5	94,6	97,8	99,8	99,5	95,6	92,5					153,7
DATE 04-22-75	250	87,1	87,1	87,3	90,2	90,5	91,6	91,8	93,6	94,5	96,6	98,9	98,0	94,4	91,5					153,1
RUN DBTF=MODEL 2	315	86,1	88,3	90,0	89,2	89,9	90,9	91,7	93,7	94,6	96,6	97,0	97,2	93,4	90,3					192,6
TAPE X20230	400	86,1	88,9	89,8	90,3	90,6	92,4	92,6	93,9	94,8	96,9	97,2	97,4	94,1	91,4					153,1
BAR 29,9 HG	500	85,7	89,3	90,3	90,4	92,0	93,4	93,4	95,3	96,4	98,5	97,4	98,1	95,4	92,3					154,1
(01039, N/42)	630	86,6	89,6	90,4	91,4	92,6	94,2	94,9	96,8	98,4	100,3	99,0	99,9	97,6	94,9					155,8
JAMB 59, DEG F	800	87,9	91,2	91,7	92,5	94,0	95,9	95,6	97,5	99,2	101,3	100,8	101,6	99,7	97,7					157,2
(288, DEG K)	1000	88,5	91,8	92,9	93,6	95,3	96,4	96,1	98,5	99,6	101,7	101,7	103,3	101,2	100,5					158,3
THET 53, DEG F	1250	90,3	93,0	94,0	94,6	96,3	97,4	97,3	99,3	101,2	102,7	102,7	104,0	103,0	101,8					159,5
(285, DEG K)	1600	90,3	94,1	95,0	95,2	97,3	98,1	98,4	100,2	101,1	102,2	102,6	104,8	104,0	102,7					160,1
HAC7 8,91 GM/M3	2000	89,9	94,7	95,2	95,0	97,2	97,7	98,6	100,6	101,1	101,5	101,4	103,2	102,5	101,3					159,7
(.00891 KG/M3)	2500	91,1	96,9	96,6	95,5	95,7	95,7	96,5	98,6	99,2	99,2	98,8	100,6	100,1	98,7					158,1
FREQ, SHIFT	3150	90,2	96,9	97,9	96,2	95,5	94,5	94,1	96,2	96,4	96,5	95,9	98,3	98,4	95,9					157,0
JET 9	4000	83,4	89,0	90,5	91,7	91,8	92,1	90,6	92,3	92,2	93,2	92,3	94,2	95,2	91,4					153,6
DIAMETER RATIO	5000	79,9	85,9	86,6	86,7	87,0	87,3	86,2	87,9	89,3	88,6	88,5	90,7	92,1	88,4					150,0
DF/DM 8.00	6300	76,3	83,0	84,2	83,8	82,9	83,0	82,7	84,4	84,4	82,6	84,3	87,8	88,9	86,0					147,8
	8000	74,2	78,9	79,6	80,3	79,6	79,3	79,3	81,6	81,3	81,2	81,0	87,0	88,2	85,8					147,4
	10000	74,5	76,8	76,1	77,4	77,9	78,0	77,8	80,2	78,6	84,4	79,5	88,0	88,7	86,9					149,7
OVERALL CALCULATED		101,3	104,6	105,4	105,2	106,3	107,1	107,5	109,4	110,6	112,3	113,1	115,8	116,3	114,4					170,4
PND8		118,3	118,2	119,1	118,4	118,7	118,8	119,3	121,2	122,0	123,1	123,2	125,2	124,5	122,7					171,7

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59: DEG: F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV. ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	62.6	62.4	67.0	67.7	69.9	71.2	72.7	74.5	76.6	78.9	78.7	84.9	86.1	80.3	---	---	---
SIDELINE 2400: FT	63	64.4	66.7	68.5	67.8	69.7	72.0	73.5	74.9	76.2	77.5	79.9	85.0	84.6	78.9	---	---	---
(731.52 M)	80	65.8	66.5	68.6	68.2	70.9	71.4	73.4	75.5	76.9	78.4	81.3	84.8	84.9	78.2	---	---	---
NFA 0: RPM	100	62.5	66.3	68.4	69.4	71.4	72.1	73.4	75.9	77.2	79.7	81.5	82.9	79.5	77.7	---	---	---
(0: RAD/SEC)	125	63.5	64.7	68.2	68.7	70.1	72.9	74.3	75.8	77.2	79.4	80.6	81.0	77.0	71.7	---	---	---
NFK 0: RPM	160	62.2	64.8	67.6	68.7	70.4	72.8	74.2	75.8	76.4	79.1	80.9	79.9	73.4	67.6	---	---	---
(0: RAD/SEC)	200	60.7	64.9	67.0	69.0	71.1	73.0	73.9	75.3	75.9	78.3	79.2	77.1	70.8	63.7	---	---	---
NFD 0: RPM	250	62.0	64.5	66.7	70.5	71.6	73.2	73.5	75.2	75.6	77.0	78.1	75.4	69.2	62.3	---	---	---
(0: RAD/SEC)	315	60.5	65.4	68.9	69.4	70.8	72.3	73.3	75.1	75.5	76.7	75.9	74.3	67.9	60.4	---	---	---
AIRFLOW RATIO	400	60.0	65.6	68.4	70.1	71.3	73.5	73.9	75.1	75.5	76.7	75.8	74.1	68.0	60.7	---	---	---
WF/WM 8.00	500	59.0	65.4	68.4	69.9	72.3	74.2	74.4	76.1	76.7	78.0	75.5	74.3	68.6	60.7	---	---	---
	630	58.9	65.1	68.0	70.4	72.5	74.6	75.5	77.3	78.3	79.3	76.6	75.5	70.0	62.0	---	---	---
	800	59.1	65.9	68.6	70.9	73.4	75.8	75.6	77.4	78.5	79.7	77.7	76.3	71.0	63.1	---	---	---
VEHICLE JENOTS	1000	58.4	65.5	68.9	71.2	74.0	75.7	75.5	77.8	78.2	79.4	77.8	76.9	71.1	63.8	---	---	---
CONFIG JE-056	1250	58.5	65.4	69.0	71.3	74.1	75.9	76.0	77.8	79.0	79.4	77.7	76.4	71.2	62.6	---	---	---
LOC EVENDALE	1600	56.1	64.6	68.4	70.6	73.9	75.4	75.9	77.5	77.8	77.6	76.1	75.4	69.8	59.9	---	---	---
DATE 04-22-75	2000	52.8	63.0	66.9	68.9	72.4	73.7	74.8	76.5	76.3	74.3	73.1	71.5	65.4	54.2	---	---	---
RUN DBT-MODEL 2	2500	49.8	62.0	65.7	67.0	68.8	69.6	70.8	72.5	72.3	70.7	67.8	65.7	58.8	45.3	---	---	---
TAPE X20230	3150	42.1	56.9	62.7	64.1	65.2	65.3	65.3	66.9	66.1	64.3	60.7	58.3	50.4	32.4	---	---	---
FAN TIP SPEED	4000	29.3	41.2	48.9	54.0	56.5	58.1	57.1	58.3	56.9	55.5	50.8	46.5	37.1	12.8	---	---	---
FT/SEC	5000	15.9	33.7	41.4	45.8	48.8	50.5	49.9	51.1	51.0	47.7	43.3	38.5	28.1	1.0	---	---	---
	6300		17.7	28.2	33.2	36.1	38.1	38.5	39.5	37.6	35.3	28.3	22.5	7.7				
	8000			7.0	15.5	29.6	22.0	22.8	24.3	21.4	19.5	8.4	1.6					
	10000					3.2	4.2	5.5		0.4								
OVERALL CALCULATED		73.7	77.7	80.7	82.2	84.5	86.2	86.9	88.7	89.8	90.8	90.9	92.4	91.0	85.4	---	---	---
PND8		77.3	85.2	88.9	90.6	93.3	94.8	95.6	97.3	97.6	97.8	96.6	96.0	90.9	83.6	---	---	---

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,		
REV. ALPHA 12/73	FREQ.	50	89,2	86,5	91,3	88,9	90,4	91,2	92,3	94,1	98,8	99,8	101,3	108,0	111,5	107,6			160,9	
		63	92,8	90,3	91,1	90,5	90,7	92,1	93,7	95,2	97,9	99,2	102,7	109,1	111,3	109,1			161,3	
NO EGA		80	91,1	90,7	90,7	90,2	91,2	91,8	94,1	96,1	98,7	99,7	103,2	108,6	111,2	108,3			161,3	
RDG. NO. 0		100	89,7	90,7	90,9	91,0	92,0	93,3	93,9	96,6	98,8	102,0	104,2	107,3	107,0	107,5			160,0	
RADIAL 320, FT.		125	90,1	88,9	90,8	90,4	91,5	93,4	95,2	96,3	98,9	101,6	103,2	105,4	104,1	101,9			158,4	
(98, 4)		160	88,2	89,2	90,6	90,8	92,0	93,7	95,2	96,7	98,7	101,4	104,1	105,2	101,2	98,4			158,0	
VEHICLE JENOTS		200	88,1	90,2	90,2	91,2	92,6	94,0	95,3	96,5	98,3	100,5	102,6	103,0	99,1	95,7			156,8	
CONFIG JE-056		250	89,1	89,6	89,8	92,4	93,2	94,4	94,8	96,3	97,7	99,9	101,2	102,3	98,1	94,5			156,2	
LOC EVENDALE		315	88,6	90,8	91,8	91,0	91,9	93,7	94,7	95,7	98,3	100,1	100,5	102,2	97,4	93,8			156,0	
DATE 04-22-75		400	88,4	92,0	92,1	92,3	93,6	94,9	95,1	96,2	98,1	100,2	100,5	102,7	97,9	94,7			156,4	
RUN DBTF-MODEL 2		500	87,8	91,3	92,1	92,4	93,7	94,9	95,7	97,0	98,6	100,7	100,6	103,4	96,4	95,6			157,0	
TAPE X20240		630	88,8	92,1	92,5	92,9	94,4	96,2	96,6	98,9	100,7	101,8	101,8	105,7	100,4	97,9			158,6	
BAR 29,9 HG		800	89,4	93,0	93,2	94,1	95,8	97,4	97,6	99,3	100,7	102,9	102,6	107,1	102,3	100,0			159,7	
(01039, N/M2)		1000	90,3	93,6	94,4	95,1	96,6	98,0	97,6	99,8	101,1	103,5	103,8	107,8	104,0	102,0			160,7	
TAMB 59, DEG F		1250	92,1	95,1	95,3	95,6	97,4	98,5	98,1	100,4	102,5	103,8	104,5	108,9	104,8	103,4			161,6	
(288, DEG K)		1600	92,2	96,2	96,6	96,3	97,9	98,4	99,2	100,3	101,5	103,6	103,7	108,2	104,1	102,8			161,6	
TWET 53, DEG F		2000	93,8	98,8	98,3	96,9	98,1	98,3	99,3	100,5	100,7	101,4	102,0	106,8	102,6	101,2			160,8	
(285, DEG K)		HACJ 8,91 GM/M3	2500	93,5	99,3	99,3	97,3	97,0	97,7	99,2	99,3	99,3	99,7	104,7	100,3	97,8			159,6	
(,00891 KG/M3)		3150	89,3	95,5	96,8	97,9	96,9	96,1	95,3	96,0	97,5	97,1	96,8	101,9	98,3	95,0			157,9	
FREQ. SHIFT		4000	84,8	89,8	90,9	91,8	92,4	93,7	92,0	93,2	93,8	93,8	94,4	98,8	96,4	91,5			155,1	
JET 9		5000	83,5	88,5	89,2	89,0	88,3	88,9	88,8	89,5	92,6	90,9	92,1	95,3	94,0	90,7			152,7	
DIAMETER RATIO		6300	81,6	85,5	85,8	86,1	85,5	86,1	85,6	87,0	91,3	90,2	92,9	93,9	92,2	90,6			152,4	
DF/DM 8.00		8000	82,0	83,4	83,6	84,3	84,6	84,1	83,6	85,9	92,4	91,3	93,8	94,3	93,0	92,3			154,6	
		10000	82,5	82,8	82,1	83,4	84,6	84,5	84,6	86,3	93,4	93,7	94,7	96,2	94,5	94,2			158,6	
OVERALL CALCULATED			103,5	106,7	107,1	107,0	107,9	108,7	109,2	110,8	112,6	114,2	115,3	119,3	118,4	116,1			172,7	
PNDB			115,7	120,1	120,4	120,2	120,3	120,6	120,9	122,4	123,7	124,5	125,3	129,3	125,9	123,8			174,0	

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV: ALPHA 12/73	FREQ:	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,
NO EGA	50	65,3	64,9	71,3	70,0	72,2	73,4	74,7	76,3	80,6	80,9	81,2	86,4	87,6	80,3			
SIDELINE 2400, FT,	63	68,9	68,7	71,0	71,5	72,5	74,3	76,0	77,4	79,7	80,2	82,6	87,5	87,4	81,6			
(731,52 M)	80	67,0	69,0	70,6	71,2	72,9	73,9	76,4	78,2	80,4	80,7	83,1	86,8	87,1	80,7			
NFA	100	65,5	68,8	70,7	71,9	73,6	75,3	76,1	78,7	80,4	82,9	84,0	88,4	82,8	79,7			
(0, RPM	125	65,7	66,9	70,4	71,2	73,1	75,4	77,3	78,3	80,4	82,4	82,9	83,5	79,8	73,9			
(0, RAD/SEC	160	63,7	67,1	70,1	71,5	73,4	75,6	77,2	78,6	80,1	82,1	83,6	83,1	76,6	70,1			
NFK	200	63,2	67,9	69,5	71,8	73,9	75,8	77,2	78,3	79,7	81,0	82,0	80,6	74,3	67,0			
(0, RAD/SEC	250	64,0	67,0	69,0	72,8	74,4	76,0	76,5	78,0	78,9	80,3	80,4	79,7	73,0	65,3			
NFD	315	63,0	67,9	70,7	71,1	72,8	75,1	76,3	77,1	79,3	80,2	79,4	79,3	71,9	63,9			
(0, RPM	400	62,2	68,6	70,6	72,1	74,3	76,0	76,4	77,3	78,8	80,0	79,0	79,4	71,8	64,0			
(0, RAD/SEC	500	61,0	67,5	70,2	71,9	74,1	75,7	76,7	77,9	79,0	80,2	78,8	79,6	71,6	63,9			
AIRFLOW RATIO	630	61,2	67,6	70,1	71,9	74,3	76,6	77,2	79,3	80,6	80,8	79,4	81,3	72,7	65,0			
WF/WM 8,00	800	60,7	67,7	70,1	72,4	75,2	77,3	77,7	79,2	80,1	81,3	79,5	81,8	73,5	65,4			
VEHICLE JENOTS	1000	60,2	67,3	70,5	72,8	75,3	77,2	77,1	79,1	79,8	81,2	79,8	81,5	73,9	65,3			
CONFIG JE-056	1250	60,3	67,4	70,3	72,4	75,2	77,0	76,8	78,9	80,4	80,5	79,5	81,2	73,0	64,2			
LOC EVENDALE	1600	57,9	66,7	70,0	71,7	74,5	75,7	76,7	77,6	78,1	79,0	77,2	79,5	69,9	60,0			
DATE 04-22-75	2000	56,7	67,1	70,0	70,7	73,3	74,3	75,6	76,4	75,9	75,2	73,7	75,1	65,5	54,0			
RUN DBT=MODEL 2	2500	52,2	64,4	68,3	68,8	70,4	71,0	71,9	73,2	72,4	70,8	68,7	69,8	59,0	44,4			
TAPE X20240	3150	41,3	55,5	61,5	65,7	66,6	66,9	66,4	66,8	67,3	64,9	61,6	61,9	50,2	31,5			
FAN TIP SPEED	4000	26,6	42,1	49,3	54,1	57,1	59,7	58,4	59,2	58,5	56,1	52,9	51,1	38,2	12,9			
FT/SEC	5000	19,5	36,3	44,0	48,1	50,1	52,1	52,5	52,7	54,4	50,0	46,9	43,1	30,0	3,4			
	6300	0,4	20,3	29,8	35,8	38,7	41,2	41,3	42,1	44,5	39,9	36,9	28,6	11,0				
	8000			11,0	19,5	24,6	26,7	27,0	28,5	32,4	26,5	21,2	8,9					
	10000					6,4	9,8	11,0	11,5	15,1	8,8							
OVERALL CALCULATED		76,2	80,1	82,8	84,3	86,4	88,1	89,0	90,5	92,0	93,1	93,3	95,3	93,3	87,2			
PND8		79,7	87,8	91,1	92,5	94,8	96,2	97,2	98,3	99,0	99,5	98,5	100,1	93,4	85,8			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,			
REV. ALPHA 12/73	FREQ.	50	90.7	88.5	90.1	91.2	92.4	93.0	94.1	94.7	99.1	102.8	103.3	110.3	114.0	109.9			163.2		
NO EGA	63	92.8	92.6	93.1	91.8	92.7	94.6	95.7	97.7	100.2	102.2	104.5	111.4	112.3	110.8				163.2		
RDG. NO. 0	80	93.8	93.0	93.2	92.0	93.2	93.8	96.1	97.6	100.7	102.2	106.2	109.8	112.9	110.8				163.2		
RADIAL 320, FT,	100	92.0	92.7	93.1	93.5	94.3	95.3	96.9	99.4	100.5	104.5	106.7	109.5	109.0	111.0				162.5		
(98, M)	125	92.8	91.6	93.3	93.2	94.3	95.9	97.2	98.6	100.9	104.8	106.7	106.7	106.6	106.2				161.0		
VEHICLE JENOTS	160	91.7	92.2	93.6	93.5	94.5	96.2	97.4	99.2	100.7	104.6	105.8	106.7	103.9	103.2				160.3		
CONFIG JE-056	200	90.8	93.2	93.2	93.7	95.6	96.5	97.3	99.0	101.1	103.5	105.1	105.2	102.1	101.0				159.5		
LOC EVENDALE	250	91.9	92.3	92.5	94.9	95.7	97.4	97.5	99.3	100.7	103.1	104.4	104.5	101.9	100.3				159.2		
DATE 04-22-75	315	91.3	93.3	94.3	93.5	94.9	96.5	97.7	99.2	101.1	103.1	103.8	104.2	101.2	99.3				159.0		
RUN DBTF-MODEL 2	400	90.6	93.7	94.8	95.3	95.9	97.4	97.8	98.9	101.4	103.9	103.7	104.2	101.6	99.9				159.3		
TAPE X20250	500	90.3	93.0	94.6	94.9	96.0	97.7	98.2	100.3	102.1	103.5	103.6	104.4	102.1	99.9				159.6		
BAR 29.9 HG	630	91.3	94.4	94.5	95.4	95.9	98.4	99.4	101.4	103.7	104.8	104.8	106.2	103.6	101.2				160.9		
(01039, N/M2)	800	91.7	94.3	95.2	96.3	97.6	99.4	100.1	102.1	104.0	104.4	105.6	107.4	105.5	102.8				161.9		
YAMB 59, DEG F	1000	92.1	95.9	95.7	96.4	98.4	100.0	100.4	102.3	104.1	106.3	106.3	108.1	106.0	104.0				162.6		
(288, DEG K)	1250	93.1	96.8	97.6	97.6	98.9	100.3	100.6	102.2	104.5	106.8	106.3	107.9	105.8	104.7				162.9		
YWET 53, DEG F	1600	93.7	99.5	100.1	98.8	99.4	99.9	101.0	102.3	103.5	103.6	105.2	107.2	104.9	103.0				162.6		
(285, DEG K)	2000	94.5	101.1	101.6	99.7	99.8	100.1	100.5	101.7	102.7	104.1	103.5	105.1	102.8	100.9				161.8		
HACT 8.91 GH/M3	2500	91.3	98.3	99.5	99.6	99.6	98.8	99.2	99.9	100.6	101.3	101.0	102.7	100.3	98.1				160.2		
(.00891 KG/M3)	3150	88.6	94.5	95.8	96.6	97.6	97.1	96.8	97.5	98.5	98.8	98.5	99.7	98.5	95.5				158.2		
FREQ. SHIFT	4000	84.3	90.8	91.9	92.3	92.6	93.9	94.2	94.4	95.3	96.5	96.2	97.3	96.4	92.5				155.9		
JET 9	5000	82.8	88.5	90.0	90.0	89.8	89.9	90.1	91.0	93.6	93.6	93.6	94.3	93.7	91.5				153.6		
DIAMETER RATIO	6300	81.3	85.8	87.0	86.8	86.5	86.6	87.3	88.3	92.3	94.4	93.4	94.1	93.0	91.3				153.6		
DF/DM 8.00	8000	82.2	84.4	84.6	85.3	85.1	84.8	85.1	86.4	93.4	96.0	95.3	94.8	93.7	92.5				156.2		
	10000	82.7	82.8	82.9	84.1	84.6	84.7	85.3	87.0	93.9	98.2	95.5	96.2	95.2	93.9				159.9		
OVERALL CALCULATED		105.0	108.3	109.1	108.9	109.7	110.7	111.4	113.0	114.9	117.0	117.8	120.1	120.2	118.5				174.6		
PND8		115.0	120.8	121.8	121.6	122.0	122.2	122.7	123.9	125.6	127.1	127.2	128.7	127.1	125.2				175.9		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG; F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV: ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	66.8	66.9	70.0	72.2	74.2	75.2	76.4	78.3	80.8	83.9	83.2	88.7	90.1	82.6			
SIDELINE 2400 FT, (731.52 M)	63	68.9	70.9	73.0	72.8	74.5	76.8	78.0	79.9	81.9	83.2	84.4	89.7	88.4	83.4			
NFA 0, RPM	80	69.8	71.2	73.1	72.9	74.9	75.9	78.4	79.7	82.4	83.2	86.1	88.1	88.9	83.2			
(0, RAD/SEC)	100	67.8	70.8	72.9	74.4	75.9	77.3	79.1	81.4	82.2	85.4	86.5	87.7	84.8	83.2			
NFK 0, RPM	125	68.5	69.7	72.9	74.0	75.8	77.9	79.3	80.6	82.4	85.7	86.4	84.7	82.3	78.2			
(0, RAD/SEC)	160	67.2	70.1	73.1	74.2	75.9	78.1	79.4	81.1	82.1	85.3	85.4	84.6	79.4	74.8			
NFD 0, RPM	200	66.0	70.9	72.5	74.3	76.9	78.3	79.2	80.8	82.4	84.0	84.5	82.9	77.3	72.2			
(0, RAD/SEC)	250	66.7	69.8	71.7	75.3	76.9	79.0	79.3	81.0	81.9	83.5	83.6	82.0	76.7	71.1			
NFD 0, RPM	315	65.8	70.4	73.2	73.6	75.8	77.9	79.3	80.6	82.0	83.2	82.7	81.3	75.6	69.4			
(0, RAD/SEC)	400	64.5	70.4	73.4	75.1	76.6	78.5	79.1	80.1	82.0	83.7	82.3	80.9	75.5	69.2			
AIRFLOW RATIO	500	63.5	69.2	72.7	74.4	76.3	78.5	79.2	81.1	82.5	83.0	81.8	80.6	75.4	68.2			
WF/WN 8.00	630	63.7	69.9	72.1	74.4	75.8	78.9	80.0	81.8	83.6	83.8	82.4	81.8	76.0	68.2			
	800	62.9	68.9	72.1	74.7	76.9	79.3	80.2	82.0	83.3	83.8	82.5	82.1	76.8	68.1			
VEHICLE JENOTS	1000	62.0	69.5	71.7	74.0	77.1	79.2	79.8	81.6	82.8	83.9	82.3	81.7	75.9	67.3			
CONFIG JE-056	1250	61.3	69.2	72.6	74.4	76.7	78.7	79.3	80.6	82.4	83.5	81.3	80.2	74.0	65.5			
LOC EVENDALE	1600	59.4	70.0	73.5	74.2	76.0	77.2	78.5	79.6	80.1	81.0	78.7	77.7	70.7	60.2			
DATE 04-22-79	2000	57.4	69.4	73.2	73.5	75.0	76.0	76.6	77.6	77.9	79.9	75.2	73.4	65.7	53.8			
RUN DBTF=MODEL 2	2500	50.0	63.4	68.5	71.1	72.7	72.8	73.4	73.9	73.6	72.8	70.0	67.8	59.0	44.6			
TAPE X20250	3150	40.5	54.5	60.5	64.4	67.3	67.9	67.9	68.3	68.3	66.7	63.3	59.7	50.5	32.0			
FAN TIP SPEED	4000	26.1	43.1	50.3	54.6	57.3	59.9	60.7	60.4	60.0	58.9	54.7	49.6	38.2	13.9			
FT/SEC	5000	18.8	36.3	44.7	49.1	51.6	53.1	53.8	54.2	55.4	52.7	48.4	42.1	29.7	4.1			
	6300	0.1	20.5	31.0	36.5	39.7	41.7	43.0	43.4	45.5	44.1	37.4	28.8	11.8				
	8000			12.0	20.5	25.1	27.5	28.5	29.5	33.4	31.3	22.7	9.4					
	10000					6.4	10.0	11.7	12.3	15.6	13.3							
OVERALL CALCULATED		78.2	82.3	85.1	86.5	88.5	90.4	91.4	93.0	94.4	96.0	95.9	96.9	95.3	89.9			
PNDP		81.2	89.9	93.8	94.8	96.7	98.2	99.0	100.3	101.2	102.1	100.7	100.0	95.3	89.3			

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE: MONTH 4 DAY 30 HR: 15:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
REV. ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160				PWL	
	30	73.9	71.7	81.1	75.4	77.4	78.0	79.8	82.3	85.1	87.1	85.5	91.3	93.5	91.6				144.8	
	83	72.6	73.6	75.1	73.5	75.5	76.9	78.2	79.5	81.2	82.2	84.5	90.9	91.6	90.8				143.1	
RDG. NO. 0	80	72.6	74.2	75.2	73.7	75.7	75.8	78.4	79.6	82.2	82.5	84.5	89.1	89.9	90.6				142.2	
RADIAL 320, FY	100	72.7	74.7	75.1	75.8	76.8	76.8	78.4	80.4	81.5	84.5	86.0	88.0	87.5	89.0				141.8	
{ 98, 4 }	125	73.8	73.4	75.5	75.4	76.0	77.9	79.7	80.8	82.1	84.1	85.2	87.7	85.4	84.7				141.0	
VEHICLE JENOTS	180	73.0	73.9	75.6	75.5	77.2	78.4	79.9	80.4	81.4	83.4	85.6	87.2	84.7	80.7				140.7	
CONFIG JENOTS	200	72.8	75.2	76.2	76.2	78.1	79.0	79.5	80.0	81.3	82.8	84.8	85.0	82.4	78.5				139.9	
LOC EVENDALE	250	74.4	75.6	76.5	78.7	79.7	79.4	79.8	79.8	80.5	81.6	83.9	84.8	81.1	78.9				139.7	
DATE 04-22-75	315	74.3	76.1	78.3	77.5	77.4	78.2	79.2	79.7	80.3	81.6	83.3	84.5	81.2	78.0				139.3	
RUN CBT-MODEL 2	400	73.6	76.7	77.6	78.3	78.4	79.2	80.1	79.7	80.4	82.7	83.7	84.7	82.6	80.2				139.9	
TAPE X20260	500	72.5	76.3	77.3	78.2	79.2	79.7	80.0	80.6	81.2	82.8	84.4	85.2	82.7	80.1				140.3	
BAR 29.9 HG	630	72.9	77.4	78.3	78.7	79.6	80.9	81.6	82.4	83.2	84.1	85.6	86.7	83.9	82.7				141.8	
{ 101039, N/42 }	800	73.5	77.5	79.5	80.1	81.6	82.7	82.6	84.1	84.3	85.2	86.1	86.9	84.8	84.1				142.8	
TAMB 59, DEG F	1000	73.9	78.7	80.2	80.7	82.4	82.8	82.9	84.6	85.7	86.6	86.6	87.1	85.1	85.6				143.6	
{ 288, DEG K }	1250	73.9	79.4	80.4	81.7	82.9	83.6	83.4	84.7	85.6	87.4	87.3	86.7	84.6	85.0				144.1	
TWET 53, DEG F	1600	71.7	78.5	80.1	81.1	82.7	83.5	83.8	84.4	85.1	86.2	86.6	85.8	83.2	82.4				143.6	
{ 285, DEG K }	2000	70.1	76.9	78.7	79.5	81.4	81.6	82.8	83.5	83.8	84.7	84.6	83.9	81.6	81.2				142.3	
HACT 8.91 GH/M3	2500	67.1	74.6	75.3	76.1	78.6	78.8	79.7	80.7	81.6	82.3	82.0	80.7	78.8	77.8				139.9	
{ 100891 KG/M3 }	3150	64.3	72.0	73.8	74.1	75.6	76.4	76.8	78.8	79.0	79.6	78.6	77.5	75.6	74.3				137.7	
FREQ. SHIFT	4000	60.7	68.5	69.1	70.5	71.6	73.4	74.0	75.9	75.8	76.5	75.2	74.3	73.6	70.5				135.2	
JET 9	5000	58.7	66.2	66.9	68.0	68.8	69.3	70.0	72.7	72.8	73.8	71.8	70.0	69.2	67.9				132.4	
DIAMETER RATIO	6300	58.2	62.9	63.6	64.2	64.8	65.6	66.6	69.8	69.6	71.2	68.5	68.2	67.0	66.2				130.6	
DF/DH 8.00	8000	59.0	60.2	60.4	61.4	61.7	63.4	62.4	69.0	67.7	71.1	68.1	68.1	67.3	67.1				131.3	
	10000	57.6	58.2	57.5	59.3	59.8	59.6	59.9	70.4	67.3	73.3	69.3	69.1	68.8	69.3				135.0	
OVERALL CALCULATED		85.6	89.0	90.7	90.9	92.3	93.0	93.6	94.7	95.7	97.1	97.8	99.7	99.2	98.4				154.8	
PND8		93.9	99.2	100.7	101.3	102.8	103.4	104.2	105.5	106.0	107.2	107.3	107.5	105.6	104.2				156.1	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59: DEG: F: 70 PERCENT REL: HUM: DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30:	40:	50:	60:	70:	80:	90:	100:	110:	120:	130:	140:	150:	160:	0:	0:
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)
REV: ALPHA 12/73	FREQ:	50	50.1	50.1	51.0	56.5	59.2	60.2	62.2	64.5	66.8	68.1	65.5	69.7	69.6	64.3	64.3
-- NO BGA	83	48.6	51.9	55.0	54.5	57.2	59.0	60.5	61.6	62.9	63.2	64.4	69.2	67.6	63.4	63.4	63.4
SIDELINE 2400, FT.	80	48.5	52.5	55.1	54.7	57.4	57.9	60.6	61.7	63.9	63.4	64.3	67.3	69.9	63.0	63.0	63.0
(731.52 M)	100	48.5	52.8	54.9	56.6	58.4	58.8	60.6	62.4	63.2	65.4	65.7	66.2	63.3	61.2	61.2	61.2
NFA 0: RPM	125	49.5	51.4	55.2	56.2	57.6	59.9	61.8	62.8	63.7	64.9	64.9	65.7	61.0	56.6	56.6	56.6
(- 0: RAD/SEC)	160	48.4	51.8	55.1	56.2	58.7	60.3	61.9	62.3	62.9	64.1	65.1	65.1	60.1	52.3	52.3	52.3
NFK 0: RPM	200	48.0	52.9	55.5	56.8	59.4	60.8	61.4	61.8	62.7	63.3	64.2	62.6	57.6	49.7	49.7	49.7
(- 0: RAD/SEC)	250	49.2	53.0	55.7	59.0	61.9	61.0	61.5	61.5	61.7	62.0	63.1	62.2	56.0	49.3	49.3	49.3
NFD 0: RPM	315	48.8	53.2	57.2	57.6	58.3	59.6	60.8	61.1	61.3	61.7	62.2	61.6	59.6	48.2	48.2	48.2
(0: RAD/SEC)	400	47.5	53.4	56.1	58.1	59.1	60.3	61.4	60.8	61.0	62.5	62.3	61.4	56.5	49.5	49.5	49.5
AIRFLOW RATIO	500	45.8	52.5	55.5	57.6	59.6	60.5	61.0	61.4	61.5	62.2	62.6	61.3	59.9	48.4	48.4	48.4
WF/WH - 8.00	630	45.2	52.9	56.1	57.7	59.6	61.4	62.2	62.8	63.1	63.1	63.2	62.3	56.3	49.8	49.8	49.8
	800	44.7	52.2	56.4	58.5	61.0	62.6	62.7	64.0	63.6	63.5	63.0	61.6	56.1	49.4	49.4	49.4
VEHICLE - JENOTS	1000	43.8	52.3	56.3	58.3	61.1	62.0	62.3	63.2	63.4	64.3	64.2	62.6	54.9	48.9	48.9	48.9
CONFIG JE#056	1250	42.1	51.7	55.4	58.4	61.7	62.0	62.1	63.2	63.4	64.1	62.3	59.0	52.8	45.8	45.8	45.8
LOC EVENDALE	1600	37.5	49.0	53.6	56.5	59.3	60.8	61.3	61.7	61.7	61.6	60.0	56.3	49.0	39.5	39.5	39.5
DATE 04-22-75	2000	33.0	45.2	50.3	53.3	56.6	57.6	58.9	59.4	59.0	58.5	56.2	52.2	44.5	34.1	34.1	34.1
RUN DBTF-MODEL 2	2500	25.7	39.7	44.3	47.6	51.7	52.8	53.9	54.7	54.7	53.8	51.0	45.8	37.5	24.4	24.4	24.4
TAPE X20260	3150	16.3	32.0	38.5	42.0	45.3	47.2	47.9	49.6	48.8	47.4	43.3	37.4	27.5	10.8	10.8	10.8
FAN TIP SPEED	4000	2.6	20.8	27.5	32.9	36.3	39.4	40.4	41.9	40.5	38.8	33.6	26.6	14.4			
FT/SEC	5000		14.0	21.7	27.1	30.6	32.6	33.7	35.9	34.6	32.9	26.6	17.8	5.2			
	6300			7.6	13.9	18.0	20.7	22.4	24.9	22.8	20.9	12.5	2.9				
	8000					1.7	4.1	5.9	11.6	7.7	6.3						
	10000																
OVERALL CALCULATED		59.6	64.4	68.4	69.4	71.6	72.8	73.8	74.7	75.4	76.1	75.8	76.8	74.3	69.8		
PND8		61.2	69.1	73.4	75.9	78.6	80.0	80.8	81.5	81.6	81.7	80.6	78.5	72.7	65.8		

'PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

		ANGLES FROM INFLT IN DEGREES (AND RADIAN)																												PWL					
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
REV: ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)				
NO EGA		50	76.4	75.2	80.3	77.7	79.4	80.7	81.3	83.8	86.8	87.8	87.5	93.8	96.0	93.9																	147.1		
RDG: NO, 0.		63	76.3	77.6	78.6	78.0	79.0	80.6	81.7	83.0	84.7	87.4	87.7	94.6	93.8	91.1																		146.1	
RADIAL 320, FT.		80	75.8	77.7	78.7	78.2	79.5	79.8	81.6	82.9	84.9	87.5	87.7	92.6	92.9	90.6																		145.3	
(98, 4)		100	76.5	78.2	78.9	79.3	80.0	80.8	81.7	84.6	85.8	89.5	89.2	91.8	90.3	89.7																			145.3
VEHICLE JENOTS		125	77.1	77.6	79.0	79.7	80.0	81.7	82.7	83.3	85.4	88.1	88.0	90.9	88.1	84.9																			144.1
CONFIG JE-056		160	76.5	78.2	79.4	79.3	80.2	82.4	82.9	84.2	83.9	87.9	88.6	90.5	86.7	83.2																			144.0
LOC EVENDALE		200	76.3	79.2	80.2	80.5	82.3	83.7	83.8	84.5	85.3	87.3	87.8	88.0	85.4	81.2																			143.7
DATE 04-22-75		250	78.3	79.8	81.3	83.9	84.5	84.6	84.8	84.8	85.0	86.6	87.9	88.8	85.9	82.8																			144.3
RUN DBTF-MODEL 2		315	79.1	81.8	84.5	83.5	83.6	84.4	85.7	85.9	85.8	87.8	88.8	89.7	86.2	83.3																			145.1
TAPE X20270		400	79.1	83.4	85.1	85.0	84.9	85.6	85.8	86.9	86.6	87.7	90.7	91.4	88.1	85.7																			146.5
BAR 29.9 HG		500	78.7	82.8	84.3	84.4	86.0	87.4	86.9	88.3	88.1	91.0	91.6	91.9	89.6	86.6																			147.5
(01039, N/M2)		630	79.8	84.1	85.2	85.7	86.6	87.9	88.4	89.8	90.4	93.1	93.8	93.9	92.1	88.9																			149.4
TAMB 59, DEG F		800	81.4	85.5	86.7	87.3	88.5	90.4	90.3	91.3	91.5	94.6	95.0	95.6	93.7	91.0																			151.0
(288, DEG K)		1000	81.8	87.3	88.1	88.3	90.1	91.7	91.1	92.8	93.8	96.2	96.2	97.5	95.2	93.2																			152.7
TWET 53, DEG F		1250	83.3	88.0	89.3	89.6	91.3	92.2	91.8	93.6	94.7	96.7	96.4	97.8	97.0	94.8																			153.5
(285, DEG K)		1600	82.6	87.9	86.7	88.9	91.3	92.1	93.4	93.7	94.9	97.0	96.6	97.6	97.3	96.0																			153.9
HACT 8.91 GM/M3		2000	81.7	87.2	88.0	88.3	91.0	91.2	92.3	93.6	94.4	96.5	94.9	96.2	96.2	94.8																			153.1
(0089, KG/M3)		2500	78.4	84.7	85.4	86.2	87.7	88.7	89.5	91.3	92.4	93.7	92.6	93.6	93.6	92.9																			151.1
FREQ, SHIFT		3150	73.9	82.4	83.1	83.7	85.0	85.8	86.4	88.4	89.9	90.2	88.9	90.3	89.7	88.1																			148.3
JET		4000	78.1	78.2	79.3	80.0	80.8	82.8	83.1	85.1	86.2	87.2	85.8	86.7	86.2	84.4																			145.6
DIAMETER RATIO		5000	67.7	76.1	76.9	77.4	78.0	79.3	79.5	81.1	84.0	84.1	82.8	83.2	83.4	82.4																			143.0
DF/DH 8.00		6300	64.8	73.2	74.0	74.3	74.9	76.2	77.0	78.2	81.4	82.6	81.8	82.1	82.2	81.0																			142.3
OVERALL CALCULATED		8000	63.7	71.4	71.8	72.5	73.6	73.8	74.1	76.1	81.8	83.7	82.5	82.7	82.4	81.8																			144.3
PND8		10000	64.0	71.6	71.1	71.6	74.1	73.7	74.3	75.7	82.6	86.1	84.7	85.0	84.2	83.4																			148.5
			92.2	96.7	97.8	98.1	99.7	100.7	101.1	102.4	103.4	105.5	105.3	106.9	106.0	104.0																			162.6
			102.8	108.1	109.4	109.4	111.3	112.0	112.7	114.1	115.3	118.9	116.4	117.7	117.0	115.4																			163.9

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ORIGINAL PAGE IS
OF POOR QUALITY

PROC, DATE = MONTH 5 DAY 1 HR: 9:7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV: ALPHA 12/73	FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	(0,	(0,	(0,
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,
NO EGA	50	52,6	53,6	60,3	58,7	61,2	62,9	63,7	66,0	68,6	70,9	67,5	72,2	72,1	66,6			
SIDELINE 2400: FT	63	52,4	55,9	58,5	59,0	60,7	62,8	64,0	65,1	66,4	68,5	67,6	73,0	69,9	63,6			
(731,52 M)	80	51,8	56,0	58,6	59,2	61,2	61,9	63,9	65,0	66,6	68,4	67,6	70,8	68,9	63,0			
NFA	100	52,3	56,3	58,7	60,2	61,6	62,8	63,9	66,7	67,4	70,4	69,0	69,9	66,3	61,9			
(0: RPM)	125	52,7	55,7	58,7	60,5	61,6	63,7	64,8	65,3	66,9	68,9	67,6	69,0	63,8	56,9			
(0: RAD/SEC)	160	51,9	56,1	58,9	60,0	61,7	64,3	64,9	66,1	65,4	68,6	68,1	68,4	62,4	54,8			
NFK	200	51,5	56,9	59,5	61,0	63,6	65,5	65,7	66,3	66,7	67,8	67,2	65,6	60,6	52,5			
(0: RAD/SEC)	250	53,2	57,3	60,5	64,3	65,6	66,2	66,5	66,4	66,1	67,0	67,1	66,2	60,7	53,6			
NFD	315	53,5	58,9	63,4	63,6	64,6	65,8	67,3	67,3	66,7	68,0	67,7	66,8	60,6	53,4			
(0: RAD/SEC)	400	53,0	60,1	63,6	64,8	65,6	66,8	67,1	68,1	67,3	69,5	69,3	68,1	62,0	55,0			
AIRFLOW RATIO	500	52,0	59,0	62,5	63,9	66,3	68,2	67,9	69,1	68,3	70,5	69,8	68,1	62,8	54,9			
WF/WM 8.00	630	52,2	59,6	62,8	64,7	66,5	68,3	69,0	70,3	70,3	72,1	71,4	69,5	64,5	56,0			
	800	52,6	60,1	63,6	65,6	67,9	70,3	70,4	71,2	70,8	73,0	71,9	70,3	65,0	56,3			
VEHICLE JENOTS	1000	51,7	61,0	64,2	66,0	68,8	70,9	70,5	72,0	72,5	73,9	72,3	71,2	65,1	56,5			
CONFIG JE-056	1250	51,5	60,4	64,3	66,3	69,1	70,6	70,5	72,1	72,5	73,4	71,4	70,1	65,2	55,6			
LOC EVENDALE	1600	48,3	58,4	62,2	64,3	67,9	69,4	70,9	71,0	71,5	72,4	70,1	68,1	63,1	53,1			
DATE 04-22-75	2000	44,6	55,5	59,6	62,1	66,1	67,2	68,5	69,5	69,6	69,3	66,6	64,5	59,1	47,7			
RUN DBTF-MODEL 2	2500	37,1	49,8	54,4	57,7	60,8	62,6	63,8	65,3	65,5	65,2	61,6	58,7	52,3	39,5			
TAPE X20270	3150	25,9	42,4	47,0	51,6	54,7	56,5	57,5	59,2	59,6	58,0	53,7	50,3	41,6	24,6			
FAN TIP SPEED	4000	12,0	30,5	37,7	42,3	45,5	48,8	49,6	51,1	50,9	49,5	44,3	39,0	28,1	5,8			
FT/SEC	5000	3,7	23,9	31,6	36,5	39,8	42,5	43,2	44,4	45,8	43,2	37,5	31,0	19,4				
	6300		7,9	17,9	24,0	28,1	31,3	32,7	33,3	34,6	32,3	25,8	16,8	1,0				
	8000				7,8	13,6	16,5	17,5	18,8	21,9	19,0	9,9						
	10000							0,7	1,0	4,4	1,3							
OVERALL CALCULATED		64,3	70,5	74,0	75,7	78,0	79,7	80,2	81,2	81,5	83,0	81,7	81,8	78,1	71,6			
PND8		68,3	77,3	81,2	83,4	86,4	88,0	89,0	89,9	90,1	91,0	89,0	87,6	82,2	72,8			

		ANGLES FROM INLET IN DEGREES (AND RADIAN)																			PWL
REV.	ALPHA 12/73	FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	0,	
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,	(0,	
	NO EGA	63	80.4	79.0	85.8	82.4	84.2	84.5	85.1	87.6	89.8	92.1	90.8	101.0	100.5	96.6					
RDG. NO.	0.	80	80.6	82.7	83.7	83.0	84.0	84.3	86.9	88.4	89.9	91.0	93.5	101.1	97.9	98.6					
RADIAL 320. FT.		100	80.7	83.4	84.4	84.5	85.8	86.5	86.9	89.1	90.3	94.8	94.5	100.8	95.7	93.5					
(98. M)		125	82.6	82.6	84.0	84.7	85.3	86.9	87.7	88.8	90.4	93.6	94.7	99.4	94.1	89.4					
VEHICLE	JENOTS	160	82.0	83.7	84.9	84.5	85.7	87.2	88.2	89.2	89.9	92.9	94.8	99.2	92.4	88.4					
CONFIG	JE-096	200	81.6	85.0	85.4	85.2	86.8	88.7	88.5	89.5	90.3	92.5	93.8	98.2	90.6	87.0					
LOC	EVENDALE	250	83.3	85.3	85.5	87.9	88.7	88.9	89.0	90.1	91.0	93.4	94.2	98.3	91.1	87.5					
DATE	04-22-75	315	83.8	86.6	88.3	87.5	88.4	89.4	89.7	90.4	91.6	94.3	94.3	99.0	91.9	88.0					
RUN	DBTF-MODEL 2	400	84.3	87.9	89.3	89.5	89.4	90.9	90.8	91.9	92.3	95.7	95.7	100.2	93.9	89.9					
TAPE	X20280	500	84.0	88.3	89.3	89.6	90.2	91.6	92.2	94.0	94.4	97.5	97.1	101.4	95.1	91.8					
BAR	29.9 HG	630	85.1	88.8	89.7	89.9	91.1	93.2	93.6	95.3	96.4	98.8	98.3	103.7	97.1	93.7					
(01039, N/M2)		800	86.4	90.2	90.9	91.5	92.5	94.6	94.3	96.0	97.7	100.3	99.8	104.6	99.2	96.0					
TAMB	59, DEG F	1000	86.8	91.6	92.1	92.6	94.1	95.2	95.1	97.3	98.1	101.0	101.0	105.8	100.7	98.2					
(288, DEG K)		1250	88.8	92.8	93.5	93.8	95.0	95.7	96.3	98.3	99.7	101.5	101.7	106.8	102.5	100.3					
TWET	53, DEG F	1600	88.6	93.1	93.7	93.7	95.1	96.6	97.9	98.7	99.6	101.7	101.4	106.8	102.8	101.0					
(285, DEG K)		2000	87.7	93.0	93.7	93.5	95.2	96.7	97.3	99.1	99.9	100.0	100.4	106.2	101.5	100.3					
HACT	8.91 GH/M3	2500	88.2	94.7	94.7	94.0	94.5	94.4	95.5	97.3	98.2	97.7	98.6	103.8	99.6	97.9					
(.00891 KG/M3)		3150	88.4	96.1	96.4	95.2	93.7	93.8	92.9	94.9	95.7	95.7	95.2	101.1	97.7	95.6					
FREQ. SHIFT		4000	81.6	89.0	90.3	91.0	90.8	91.1	90.1	91.6	91.5	92.7	92.1	97.7	94.2	90.9					
JET	9	5000	77.9	85.4	86.4	86.4	86.5	87.5	87.2	88.4	89.0	88.8	87.8	94.7	90.9	89.4					
DIAMETER RATIO		6300	75.5	83.2	84.2	84.0	82.7	84.2	84.5	86.2	85.7	87.4	85.6	93.1	88.7	86.0					
DF/DM	8.00	8000	72.5	79.4	80.3	80.5	79.6	82.8	83.1	85.9	83.8	86.7	84.8	93.2	86.9	84.8					
		10000	71.2	75.1	76.6	76.6	76.6	83.7	83.8	85.5	83.6	88.1	85.0	94.7	86.2	83.7					
OVERALL CALCULATED			98.4	103.3	103.9	103.8	104.5	105.6	106.0	107.7	108.6	110.4	110.5	116.0	111.4	109.2					
PNUB			111.0	117.2	117.7	117.2	117.0	117.7	118.2	119.9	120.6	121.6	121.8	127.4	122.7	120.7					

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ORIGINAL PAGE IS
OF POOR QUALITY

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	0,
REV: ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)
NO EGA	50	56.6	57.4	65.8	63.5	65.9	66.7	67.4	69.8	71.6	73.1	70.7	79.4	76.6	69.3				
SIDELINE 2400' FT.	63	57.1	60.4	63.5	63.8	66.0	68.3	69.5	70.1	71.4	72.0	73.4	80.5	73.9	68.6				
(731.52 M)	80	56.5	61.0	63.6	63.9	65.7	66.4	69.1	70.5	71.6	71.9	73.3	79.3	73.9	71.0				
NFA	100	56.5	61.6	64.2	65.4	67.4	68.6	69.1	71.2	71.9	74.7	74.2	78.9	71.5	65.7				
(0, RPM)	125	58.2	60.7	63.7	65.5	66.8	68.9	69.8	70.8	71.9	74.4	74.4	77.5	69.8	61.4				
(0, RAD/SEC)	160	57.4	61.6	64.4	65.2	67.2	69.1	70.2	71.1	71.4	73.6	74.4	77.1	67.9	60.1				
NPK	200	56.7	62.7	64.8	65.8	68.1	70.5	70.4	71.3	71.7	73.0	73.2	75.9	65.8	58.2				
(0, RAD/SEC)	250	58.2	62.8	64.7	68.3	69.9	70.5	70.8	71.7	72.1	73.8	73.3	75.7	66.0	58.3				
NFD	315	58.3	63.7	67.2	67.6	69.3	70.8	71.3	71.8	72.5	74.5	73.2	76.1	66.4	58.1				
(0, RAD/SEC)	400	58.2	64.6	67.9	69.3	70.1	72.0	72.1	73.1	73.0	75.5	74.3	76.9	67.8	59.2				
AIRFLOW RATIO	500	57.2	64.5	67.5	69.1	70.6	72.5	73.2	74.9	74.7	77.0	75.3	77.6	68.3	60.2				
WF/WH 8.00	630	57.4	64.4	67.3	68.9	71.0	73.6	74.2	75.8	76.3	77.8	75.9	78.2	69.5	60.7				
	800	57.6	64.9	67.8	69.9	71.9	74.5	74.4	75.9	77.0	78.7	76.7	79.3	70.5	61.3				
VEHICLE JENOTS	1000	56.7	65.2	68.2	70.2	72.8	74.4	74.5	76.5	76.7	78.6	77.0	79.4	70.6	61.5				
CONFIG JE-056	1250	57.0	65.1	68.5	70.5	72.9	74.1	75.0	76.8	77.5	78.2	76.7	79.1	70.7	61.1				
LOC EVENDALE	1600	54.3	63.6	67.2	69.1	71.7	73.9	75.4	76.0	76.3	77.1	74.9	77.4	68.6	58.1				
DATE 04-22-75	2000	50.6	61.3	65.4	67.4	70.4	72.7	73.5	75.0	75.1	73.8	72.1	74.5	64.4	53.2				
RUN DBE=MODEL 2	2500	46.8	59.8	63.7	65.5	67.6	68.4	69.8	71.3	71.3	69.2	67.6	68.9	58.3	44.5				
TAPE X20280	3150	40.4	56.1	61.2	63.1	63.5	64.5	64.0	65.7	65.4	64.5	60.0	61.0	49.6	32.1				
FAN TIP SPEED	4000	23.5	41.2	48.7	53.3	55.5	57.1	56.6	57.6	56.2	55.0	50.5	50.0	36.1	12.3				
FT/SEC	5000	13.9	33.2	41.1	45.5	48.3	50.8	50.9	51.6	50.8	47.9	42.5	42.5	26.9	2.0				
	6300		17.9	28.2	33.7	35.9	39.3	40.2	41.3	38.9	37.0	29.6	27.8	7.5					
	8000			7.7	15.8	19.6	25.5	26.5	28.5	23.9	22.0	12.2	7.9						
	10000						9.0	10.2	10.8	5.4	3.3								
OVERALL CALCULATED		69.4	75.6	78.8	80.4	82.4	84.2	84.9	86.3	86.8	88.1	87.0	90.5	83.1	76.5				
PND8		74.5	83.3	87.1	89.0	91.3	93.3	94.0	95.4	95.6	96.1	94.3	97.1	87.9	78.1				

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL	
		30:	40:	50:	60:	70:	80:	90:	100:	110:	120:	130:	140:	150:	160:	170:	180:		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)		
REV: ALPHA 12/73	FREQ.	30:	40:	50:	60:	70:	80:	90:	100:	110:	120:	130:	140:	150:	160:	170:	180:		
	90	84.4	67.7	84.6	83.4	84.2	84.0	86.6	88.6	91.3	94.8	95.8	103.0	106.2	105.4			156.1	
	63	86.3	71.1	85.8	84.0	85.0	83.9	88.2	89.7	91.7	93.9	97.2	105.9	108.3	104.6			157.7	
NO EGA	80	87.8	71.7	86.5	84.7	85.7	85.3	88.1	89.1	91.7	93.7	98.0	104.3	107.2	106.6			157.2	
REG. NO. 0.	100	86.7	71.2	86.6	86.0	87.0	86.0	88.7	90.9	92.8	96.3	99.7	104.0	105.7	106.7			157.1	
RADIAL 320, FT.	125	87.3	70.1	87.0	86.4	86.0	87.2	88.9	90.3	92.1	95.8	98.7	100.9	101.3	101.2			154.1	
(98. M)	160	85.0	69.7	85.9	85.5	86.0	86.7	89.2	90.2	91.9	95.6	99.1	101.7	98.9	98.2			153.6	
VEHICLE JENOTS	200	84.0	70.5	86.1	86.2	87.1	87.5	89.3	90.2	92.1	95.0	98.1	98.9	96.6	94.2			152.1	
CCNFIC JE#056	250	85.1	69.8	85.5	87.4	87.5	87.1	88.0	89.3	91.5	93.9	96.7	96.7	93.8	92.0			150.7	
LOC EVELDALE	315	83.8	70.3	86.2	85.4	85.8	86.9	87.9	89.6	91.3	93.6	95.0	95.4	91.4	88.7			149.7	
DATE 04-22-75	400	83.0	69.9	86.0	87.2	87.1	86.8	88.3	89.1	90.5	94.1	94.9	93.9	90.3	90.1			149.5	
RUN DBTF-MODEL 2	500	81.9	69.7	85.7	86.1	86.6	87.3	88.4	89.7	91.3	93.9	94.0	93.3	90.3	87.8			149.3	
TAPE X20290	630	82.5	71.5	86.8	86.6	87.8	88.3	89.3	90.8	92.6	95.2	95.2	94.9	92.2	88.8			150.6	
BAR 29.9 HG	800	83.8	73.1	88.0	88.1	89.4	90.5	90.9	91.7	93.3	97.0	96.2	95.7	93.9	90.9			152.0	
(01039, N/42)	1000	83.9	73.9	89.7	89.6	90.9	91.7	92.4	93.1	94.1	97.5	96.8	97.1	94.5	92.8			153.1	
TAMB 59, DEG F	1250	85.5	74.7	90.5	91.1	92.3	92.4	92.3	95.1	96.2	97.7	96.7	97.5	96.5	94.6			154.1	
(288, DEG K)	1600	84.0	74.3	90.4	90.3	92.0	92.5	93.8	94.6	96.3	99.4	96.8	96.8	96.7	95.4			154.6	
THET 53, DEG F	2000	81.8	72.3	88.8	88.9	91.6	91.3	91.7	93.4	95.2	96.4	95.0	95.3	95.3	93.9			153.1	
(285, DEG K)	2500	79.2	70.5	85.7	86.8	88.0	88.2	89.1	90.6	93.0	94.7	92.6	92.9	92.7	91.7			151.0	
HACT 8.91 GM/M3	3150	75.4	67.4	83.1	84.3	85.3	85.5	86.7	88.4	90.2	91.5	88.7	89.1	89.7	87.4			148.4	
(00891 KG/M3)	4000	71.7	64.2	79.5	80.5	81.0	82.8	84.1	86.1	86.7	88.7	86.3	86.5	86.0	83.4			146.2	
FREQ. SHIFT	5000	69.2	62.7	76.9	77.7	78.3	78.8	79.5	82.7	83.8	85.1	82.3	82.5	83.7	82.2			143.2	
JET 9	6300	66.4	62.3	73.6	74.4	74.5	75.3	76.6	79.5	80.6	82.4	79.7	79.7	82.8	82.6			141.8	
DIAMETER RATIO	8000	65.2	63.6	69.8	71.0	71.0	71.0	72.3	78.1	78.3	81.4	77.7	77.7	84.1	84.5			142.7	
DF/DM 8.00	10000	66.2	64.6	66.4	67.4	68.4	68.5	69.3	78.5	76.4	82.7	78.0	78.5	86.0	86.9			146.6	
OVERALL CALCULATED	PND	97.3	84.4	100.1	100.1	101.2	101.6	102.7	104.2	105.9	108.5	109.5	112.7	114.0	112.9			166.6	
	PND	105.4	94.9	110.5	110.8	112.3	112.5	113.4	115.2	116.8	119.2	118.2	119.0	118.9	117.6			167.9	



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☆ 10 dB TOO LOW

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	0°	0°	0°
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(0°)	(0°)	(0°)
REV. ALPHA 12/73	FREQ.	50	60.6	46.1	64.5	64.5	65.9	66.2	68.9	70.8	73.1	75.9	75.7	81.4	82.4	78.1				
NO EGA	63	82.4	49.4	65.7	65.0	66.7	68.0	70.5	71.9	73.4	75.0	77.1	84.2	84.4	77.1					
SIDELINE 2400. FT±	80	63.8	50.0	66.3	65.7	67.4	67.4	70.4	71.2	73.4	74.7	77.8	82.6	83.1	79.0					
(731.52 M)	100	82.5	49.3	66.4	66.9	68.6	68.1	70.9	72.9	74.4	77.1	79.5	82.2	81.5	78.9					
NFA 0. RPM	125	83.0	48.2	66.7	67.2	67.6	69.2	71.0	72.3	73.7	76.6	78.4	78.9	77.0	73.1					
(0. RAD/SEC)	150	80.4	47.5	65.4	66.2	67.4	68.6	71.2	72.1	73.4	76.3	78.6	79.6	74.4	69.8					
NFK 0. RPM	200	59.2	48.1	65.5	66.8	68.4	69.2	71.2	72.0	73.4	75.5	77.4	76.6	71.8	65.5					
(0. RAD/SEC)	250	59.9	47.2	64.7	67.8	68.6	68.7	69.8	70.9	72.6	74.2	75.8	74.2	68.7	62.8					
NFB 0. RPM	315	58.2	47.4	65.1	65.6	66.8	68.3	69.5	71.0	72.2	73.7	73.9	72.5	65.8	58.9					
(0. RAD/SEC)	400	56.9	46.6	64.6	67.0	67.8	68.0	69.6	70.3	71.2	73.9	73.5	70.6	64.2	59.4					
AIRFLOW RATIO	500	55.1	45.9	63.9	65.5	67.0	68.2	69.4	70.5	71.6	73.4	72.2	69.5	63.5	56.1					
WF/KM 8.00	630	54.9	47.0	64.5	65.6	67.7	68.7	69.9	71.2	72.5	74.2	72.8	70.4	64.6	55.9					
	800	55.0	47.8	64.9	66.5	68.8	70.4	71.0	71.5	72.7	75.3	73.0	70.4	65.1	56.2					
VEHICLE JENOTS	1000	53.7	47.5	65.7	67.3	69.6	71.0	71.8	72.3	72.8	75.2	72.8	70.7	64.4	56.1					
CONFIG JE#056	1250	53.7	47.1	65.5	67.8	70.1	70.9	70.9	73.5	74.0	74.4	71.7	69.9	64.7	55.4					
LOC EVENDALE	1600	49.8	44.8	63.8	65.7	68.6	69.8	71.3	71.9	72.9	74.8	70.3	67.3	62.5	52.5					
DATE 04-22-75	2000	44.7	40.6	60.5	62.7	66.7	67.3	67.9	69.4	70.4	70.2	66.7	63.6	58.2	46.8					
RUN DBTF=MODEL 2	2500	37.9	35.6	54.7	58.3	61.1	62.2	63.3	64.6	66.1	66.2	61.6	58.0	51.4	38.3					
TARE X20290	3150	27.4	27.4	47.9	52.1	55.0	56.3	57.8	59.2	59.9	59.3	53.5	49.1	41.6	23.9					
FAN TIP SPEED	4000	13.5	16.5	38.0	42.8	45.7	48.8	50.6	52.1	51.4	51.0	44.8	38.7	27.9	4.8					
FT/SEC	5000	5.2	10.5	31.7	36.8	40.1	42.1	43.2	45.9	45.6	44.2	37.1	30.3	19.7						
	6300			17.5	24.1	27.7	30.4	32.3	34.7	33.8	32.1	23.7	14.4	1.6						
	8000				6.2	11.1	13.7	15.7	20.7	18.3	16.7	5.1								
	10000								3.8											
OVERALL CALCULATED		71.7	59.8	77.4	78.6	80.4	81.2	82.8	84.0	85.3	87.3	88.0	90.3	89.6	84.9					
PNRB		72.7	64.2	83.5	85.4	87.9	88.9	90.4	91.5	92.6	94.2	92.0	91.3	88.2	82.6					



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10 dB TOO LOW

REV, ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	
NO EGA	50	87.2	70.7	86.6	86.4	87.7	87.2	89.6	91.6	93.8	98.1	98.8	105.8	108.7	107.1	107.1	107.1	158.6
REG. NO. 0	63	89.6	74.1	88.8	87.5	88.5	89.1	91.0	93.0	95.4	97.9	101.0	108.9	111.3	108.1	108.1	108.1	160.9
RADIAL 320, FT.	80	91.1	74.7	89.5	87.7	88.7	88.5	91.6	93.1	95.2	97.5	101.2	107.1	110.4	109.1	109.1	109.1	160.2
(98.4)	100	90.2	74.9	89.1	89.3	90.0	89.3	91.7	94.6	96.5	100.0	102.7	106.8	107.7	108.5	108.5	108.5	159.5
VEHICLE JENOTS	125	89.6	73.1	89.3	88.9	89.5	90.4	92.2	93.8	96.1	99.8	101.7	103.7	103.3	102.9	102.9	102.9	156.8
CCNFIG JE1056	140	87.7	73.4	89.4	89.0	90.2	90.2	92.4	93.7	95.7	99.1	101.8	103.2	100.4	98.7	98.7	98.7	155.9
LCC EYE DALE	200	86.8	73.7	89.2	89.5	90.1	90.7	92.5	93.7	95.6	98.5	101.1	101.2	97.9	95.0	95.0	95.0	154.8
DATE 04-22-75	250	88.1	73.3	88.3	90.7	91.0	91.6	92.0	93.1	95.3	97.6	99.9	100.2	96.6	92.8	92.8	92.8	154.1
RLN DBTF-MODEL 2	315	87.3	74.3	90.2	89.7	90.1	90.4	92.2	93.7	95.5	97.8	98.5	98.7	94.7	91.0	91.0	91.0	153.4
TAPE X20300	400	87.1	74.7	90.5	91.7	91.4	92.7	93.0	94.5	95.6	98.7	98.7	99.0	95.8	94.1	94.1	94.1	154.2
BAR 29.9 HG	500	85.7	74.5	90.3	90.8	91.7	92.1	93.9	95.0	96.8	98.9	98.8	98.8	96.6	93.8	93.8	93.8	154.5
(01039, N/42)	630	87.3	76.3	91.4	91.9	91.8	93.4	94.8	97.0	99.1	100.5	100.2	100.6	99.0	95.6	95.6	95.6	156.2
TAMB 59, DEG F	800	87.8	77.4	92.8	93.2	94.0	94.8	95.7	97.5	99.6	101.8	101.0	101.8	100.9	98.4	98.4	98.4	157.4
(288, DEG K)	1000	88.4	78.7	94.3	94.2	95.5	96.6	96.5	98.2	100.0	102.9	102.4	103.4	102.3	100.1	100.1	100.1	158.7
THWT 53, DEG F	1250	90.2	78.9	94.4	95.2	96.6	97.0	97.6	99.2	101.3	103.1	102.8	104.1	103.8	101.9	101.9	101.9	159.7
(285, DEG K)	1600	89.9	79.9	95.5	95.7	96.6	97.4	98.2	100.0	101.7	102.8	102.7	104.2	104.6	102.8	102.8	102.8	160.1
HACT 8.91 GM/M3	2000	89.2	80.7	95.5	95.1	97.0	97.0	98.4	100.6	101.6	101.5	102.4	102.7	102.7	101.6	101.6	101.6	159.7
(.00891 KG/M3)	2500	88.6	81.9	96.6	95.7	95.9	96.3	97.3	98.5	99.9	100.2	100.1	101.1	100.9	98.7	98.7	98.7	158.5
FREQ. SHIFT	3150	87.6	82.1	98.1	96.9	95.9	94.9	94.8	96.6	97.1	97.9	97.1	98.5	99.1	96.8	96.8	96.8	157.3
JET 9	4000	81.3	75.4	91.4	92.6	92.9	92.5	92.3	93.7	94.1	94.8	94.2	95.6	95.9	93.3	93.3	93.3	154.7
DIAMETER RATIO	5000	79.3	74.5	88.8	88.6	88.9	88.2	88.9	90.3	91.4	91.5	90.7	92.3	93.3	91.3	91.3	91.3	151.9
DF/CM 8.00	6300	75.7	74.2	86.7	86.7	85.6	85.2	86.2	87.6	88.1	89.3	88.8	90.0	90.9	88.5	88.5	88.5	150.6
OVERALL CALCULATED	8000	72.1	74.1	83.0	83.7	82.2	82.5	82.7	84.8	85.5	86.9	87.5	88.2	89.5	87.4	87.4	87.4	150.1
PND8	10000	68.7	74.6	79.6	79.6	79.9	79.5	79.8	82.2	81.4	85.7	87.2	88.5	88.5	87.4	87.4	87.4	151.3
		101.5	90.8	105.9	105.8	106.4	106.8	107.8	109.5	111.2	113.0	113.9	116.5	117.6	115.9	115.9	115.9	171.1
		112.2	104.4	119.7	119.2	119.1	119.0	119.9	121.5	122.9	124.0	124.4	125.6	125.4	123.6	123.6	123.6	172.4



627



10 dB TOO LOW

ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		0. 0. 0.		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.				
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)				
REV. ALPHA 12473	FREQ.	50	63.3	49.1	66.5	67.5	69.4	69.4	71.9	73.8	75.6	79.1	78.7	84.2	84.9	79.8						
		63	65.6	52.4	68.7	68.5	70.2	71.3	73.3	75.1	77.2	79.0	80.9	87.2	87.4	80.6						
SIDELINE 2400. FT?		80	67.0	53.0	69.3	68.7	70.4	70.6	73.9	75.2	76.9	78.4	81.1	85.3	86.4	81.5						
(731.52 M)		100	66.0	53.1	68.9	70.1	71.6	71.3	73.9	76.7	78.2	80.9	82.5	84.9	83.5	80.7						
NFA 0. RPM		125	65.2	51.2	68.9	69.7	71.1	72.4	74.3	75.8	77.7	80.1	81.4	81.7	79.0	74.9						
(0. RAD/SEC)		160	63.2	51.3	68.9	69.7	71.7	72.1	74.4	75.6	77.1	79.8	81.4	81.1	75.9	70.3						
NFK 0. RPM		200	62.0	51.4	68.8	70.0	71.4	72.5	74.4	75.5	76.9	79.0	80.4	78.9	73.0	66.2						
(0. RAD/SEC)		250	63.0	50.8	67.4	71.0	72.1	73.2	73.8	74.7	76.6	78.0	79.1	77.7	71.5	63.5						
NFD 0. RPM		315	61.7	51.4	69.2	69.8	71.0	71.8	73.7	75.1	76.5	78.0	77.4	75.8	69.1	61.1						
(0. RAD/SEC)		400	61.0	51.3	69.1	71.6	72.0	73.9	74.3	75.7	76.2	78.6	77.2	75.7	69.7	63.4						
AIRFLOW RATIO		500	58.9	50.7	68.4	70.3	72.0	72.9	74.9	75.8	77.2	78.4	77.0	75.0	69.8	62.1						
WF/WM 8.00		630	59.6	51.8	69.0	70.9	71.7	73.8	75.4	77.5	79.0	79.5	77.8	76.2	71.4	62.7						
		800	59.1	52.1	69.7	71.6	73.3	74.7	75.8	77.4	79.0	80.1	77.8	76.4	72.2	63.8						
VEHICLE JENOTS		1000	58.3	52.4	70.3	71.9	74.2	75.8	75.9	77.4	78.6	80.5	78.4	77.1	72.2	63.4						
CONFIG JE056		1250	58.4	51.2	69.4	71.9	74.5	75.5	76.3	77.7	79.1	79.8	77.8	76.5	72.0	62.7						
LOC EVENDALE		1600	55.7	50.4	69.0	71.1	73.3	74.7	75.7	77.3	78.3	78.2	76.2	74.7	70.4	59.9						
DATE 04-22-75		2000	52.1	49.0	67.1	68.9	72.2	72.9	74.6	76.5	76.8	75.3	74.1	71.0	65.6	54.4						
RUN DBTF-MODEL 2		2500	47.3	47.0	65.6	67.2	69.0	70.3	71.5	72.5	73.0	71.7	69.1	66.2	59.6	45.2						
TAPE X20300		3150	39.6	42.0	62.8	64.8	65.6	65.7	65.9	67.4	66.8	65.7	61.9	58.5	51.1	33.3						
FAN TIP SPEED		4000	23.2	27.6	49.9	54.9	57.6	58.5	58.7	59.7	58.8	57.2	52.7	47.9	37.8	14.7						
FT/SEC		5000	15.3	22.4	43.6	47.7	50.7	51.4	52.6	53.6	53.2	50.6	45.4	40.2	29.3	4.0						
		6300		8.9	30.6	36.4	38.8	40.3	41.9	42.7	41.3	39.0	32.8	24.7	9.7							
		8000			10.4	19.0	22.3	25.1	26.2	27.4	25.6	22.8	14.9	2.8								
		10000					1.6	4.8	6.2	7.5	3.1	0.8										
OVERALL CALCULATED			74.9	63.9	81.3	82.9	84.6	85.7	87.1	88.6	90.0	91.5	91.6	93.4	92.5	87.2						
PND8			27.4	70.5	89.3	91.1	93.4	94.3	95.8	97.4	98.2	98.5	97.2	96.3	92.4	85.9						



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10 dB TOO LOW

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0; (0;0; (0;0; PWL		
		30;	40;	50;	60;	70;	80;	90;	100;	110;	120;	130;	140;	150;	160;	170;	180;			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)			
REV. ALPHA 12/73	FREQ.	50	90.7	74.0	90.3	90.2	91.4	91.3	93.1	95.6	98.3	101.6	102.8	109.3	113.5	109.6	162.6			
		53	94.3	78.3	93.1	91.5	92.7	93.6	96.2	97.5	99.9	101.7	105.2	112.4	114.6	111.6	164.4			
REG. NO. 0		80	94.6	78.7	94.5	92.0	92.7	92.8	95.9	97.4	100.4	102.5	106.5	110.6	113.9	113.6	164.2			
RADIAL 320. FT.		100	94.0	78.7	93.9	94.3	94.8	94.5	96.4	99.1	101.0	104.8	107.5	109.8	111.2	112.2	163.4			
(98. 4)		125	94.6	77.4	94.0	94.1	93.8	94.9	97.2	98.6	100.6	104.6	106.5	106.4	108.3	107.7	161.2			
VEHICLE JENOTS		160	92.2	77.9	94.1	94.0	94.2	95.2	97.4	98.7	101.2	104.6	107.1	106.5	105.2	104.4	160.7			
CONFIG JE056		200	91.5	78.7	93.2	93.7	93.3	95.7	98.0	99.2	101.6	104.2	106.1	104.9	102.6	101.5	159.9			
LOC EVELDALE		250	92.8	78.3	93.8	95.4	96.2	96.3	97.0	99.1	101.5	104.1	105.4	104.7	102.3	100.8	159.7			
DATE 04-22-75		315	91.8	78.3	95.0	94.0	94.6	95.9	97.4	99.2	102.3	103.8	103.7	104.2	101.2	98.5	159.2			
RUN CBTF-MODEL 2		400	92.1	79.2	94.8	95.7	95.9	96.6	97.8	99.6	102.3	104.7	104.4	103.9	101.8	99.9	159.7			
TAPE X20310		500	91.2	79.2	94.5	95.3	96.2	96.8	98.1	100.2	103.3	104.2	104.8	104.3	102.3	99.3	160.0			
BAR 29.9 HG		630	91.3	80.0	95.4	95.9	96.8	97.6	99.6	101.5	104.8	105.8	106.0	106.4	104.8	100.6	161.6			
(01039, N/Y2)		800	92.6	81.7	96.8	97.2	98.2	99.0	100.0	102.0	105.1	106.5	106.5	107.5	105.4	101.9	162.4			
TAMB 59. DEG F		1000	92.2	82.5	97.8	98.0	99.2	99.8	101.0	102.7	105.2	106.4	107.1	107.9	106.3	103.3	162.9			
(288. DEG K)		1250	93.9	82.6	97.9	98.7	99.9	100.3	100.6	102.9	105.0	107.1	106.8	107.9	105.8	102.9	163.2			
THET 53. DEG F		1600	93.9	85.7	100.8	99.5	100.4	100.4	101.7	102.8	104.5	106.3	106.2	107.2	105.4	102.0	163.0			
(285. DEG K)		2000	94.0	86.5	102.3	100.3	100.7	100.3	101.6	102.4	103.6	104.3	104.9	105.2	103.7	100.1	162.3			
WACT 8.91 GH/M3		2500	91.1	83.7	101.1	101.2	100.4	98.9	99.8	100.8	102.2	102.7	102.6	102.8	101.1	97.7	161.1			
(00891 KG/M3)		3150	88.1	80.6	97.3	98.2	98.4	97.9	97.8	98.6	99.6	100.4	99.1	100.5	98.4	95.1	159.1			
FREQ. SHIFT		4000	84.6	77.9	93.7	93.6	93.7	95.5	95.3	96.0	96.1	97.6	97.0	97.4	95.7	91.6	156.7			
JET 9		5000	81.8	75.8	91.8	91.6	91.2	90.5	91.4	92.1	94.2	94.2	93.7	93.8	93.3	90.0	154.0			
DIAMETER RATIO		6300	78.2	74.2	87.9	88.5	87.9	87.9	88.2	88.9	91.1	92.0	91.0	91.8	91.1	87.2	152.5			
DF/DM 8.00		8000	76.4	74.1	85.5	84.9	84.2	84.3	84.7	86.3	89.0	91.7	89.2	89.9	89.1	86.7	152.3			
		10000	75.5	75.1	81.6	81.4	81.1	81.0	81.8	83.7	87.9	92.2	88.2	89.5	89.2	87.4	154.0			
OVERALL CALCULATED		PND8	105.6	94.3	110.0	109.7	110.3	110.5	111.6	113.3	115.7	117.4	118.4	120.2	121.1	119.4	174.9			
			105.8	106.8	122.7	122.7	122.6	122.2	123.1	124.5	126.3	127.6	127.9	128.6	127.4	124.5	176.2			



☆ 10 dB TOO LOW

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV. ALPHA 12/73	FREQ.	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	0°	0°	0°
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)
NO EGA	50	66.8	52.4	70.3	71.2	73.2	73.7	75.4	77.8	80.1	82.6	82.7	87.7	89.6	82.3			
SIDELINE 2400' FT?	63	70.4	56.7	73.0	72.5	74.5	75.8	78.5	79.6	81.7	82.7	85.1	90.7	90.6	84.1			
(731.52 M)	80	70.5	57.0	74.3	72.9	74.4	74.9	78.1	79.5	82.1	83.4	86.3	88.8	89.9	86.0			
NFA 0: RPM	100	69.8	56.8	73.7	75.1	76.4	76.6	78.6	81.2	82.7	85.6	87.2	87.9	87.0	84.4			
(0: RAD/SEC)	125	70.2	55.7	73.7	75.0	75.3	76.9	79.3	80.6	82.2	85.4	86.1	84.4	84.0	79.6			
NFK 0: RPM	160	67.7	55.8	73.6	74.7	75.7	77.1	79.4	80.6	82.6	85.3	86.6	84.3	80.6	76.1			
(0: RAD/SEC)	200	66.7	56.4	72.5	74.3	76.6	77.5	79.9	81.0	82.9	84.8	85.4	82.6	77.8	72.7			
NFD 0: RPM	250	67.7	55.8	72.9	75.8	77.4	78.0	78.8	80.7	82.6	84.5	84.6	82.2	77.2	71.5			
(0: RAD/SEC)	315	66.2	55.4	73.9	74.1	75.5	77.3	79.0	80.6	83.2	84.0	82.7	81.3	75.6	68.6			
AIRFLOW RATIO	400	66.0	55.8	73.3	75.6	76.5	77.7	79.1	80.8	83.0	84.6	83.0	80.6	75.7	69.2			
WF/W 8.00	500	64.4	55.4	72.7	74.8	76.5	77.7	79.1	81.1	83.7	83.7	83.0	80.5	75.6	67.6			
	630	63.6	55.6	73.0	74.9	76.7	78.0	80.2	82.0	84.8	84.8	83.6	81.9	77.2	67.7			
	800	63.8	56.3	73.7	75.6	77.6	78.9	80.0	81.9	84.5	84.9	83.3	82.2	76.7	67.3			
VEHICLE JENOTS	1000	62.1	56.1	73.9	75.6	77.9	79.1	80.4	81.9	83.9	84.0	83.2	81.6	76.2	66.7			
CCNFIS JE-056	1250	62.1	55.0	72.9	75.4	77.7	78.7	79.3	81.4	83.6	83.8	81.8	80.2	74.0	63.7			
LCC EVENDALE	1600	59.7	56.2	74.2	74.9	77.0	77.7	79.2	80.1	81.1	81.7	79.7	77.7	71.1	59.2			
DATE 04-22-75	2000	56.8	54.8	73.9	74.1	75.9	76.2	76.8	78.3	78.8	78.1	76.6	73.5	66.6	52.9			
RLN DBTF-MODEL 2	2500	49.8	48.8	70.1	72.7	73.5	72.9	74.0	74.8	75.2	74.2	71.6	67.9	59.8	44.2			
TAPE X20310	3150	40.1	40.5	62.1	66.0	68.1	68.7	68.9	69.4	69.3	68.2	63.9	60.5	50.3	31.6			
FAN TIP SPEED	4000	26.4	30.1	52.1	55.9	58.4	61.5	61.7	62.0	60.8	59.9	55.4	49.6	37.5	13.0			
FT/SEC	5000	17.8	23.6	46.6	50.7	52.9	53.7	55.1	55.3	56.0	53.3	48.4	41.7	29.3	2.7			
	6300		8.9	31.9	38.2	41.1	43.0	43.9	44.0	44.3	41.7	35.0	26.5	9.9				
	8000			12.9	20.2	24.3	26.9	28.2	28.9	29.1	26.9	16.6	4.5					
	10000					2.8	6.3	8.2	9.0	9.6	7.3							
OVERALL CALCULATED		79.2	68.2	85.8	87.1	88.8	89.8	91.4	93.0	95.1	96.4	96.5	97.0	96.4	91.2			
PND8		81.9	75.2	94.3	95.8	97.3	98.1	99.3	100.7	102.1	102.7	101.5	100.0	96.3	90.0			



630

☆ 10 dB TOO LOW

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																REL. HUM. DAY			
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)
REV: ALPHA 12/73	FREQ.	50	52.3	53.6	54.9	56.2	57.5	58.8	60.1	61.4	62.7	64.0	65.3	66.6	67.9	69.2	70.5	71.8	73.1	74.4	75.7
NO EGA	63	52.4	53.7	55.0	56.3	57.6	58.9	60.2	61.5	62.8	64.1	65.4	66.7	68.0	69.3	70.6	71.9	73.2	74.5	75.8	77.1
SIDELINE 2400+ FT.	80	53.8	55.1	56.4	57.7	59.0	60.3	61.6	62.9	64.2	65.5	66.8	68.1	69.4	70.7	72.0	73.3	74.6	75.9	77.2	78.5
(731.52 M)	100	54.3	55.6	56.9	58.2	59.5	60.8	62.1	63.4	64.7	66.0	67.3	68.6	69.9	71.2	72.5	73.8	75.1	76.4	77.7	79.0
NFA 0. RPM	125	55.5	56.8	58.1	59.4	60.7	62.0	63.3	64.6	65.9	67.2	68.5	69.8	71.1	72.4	73.7	75.0	76.3	77.6	78.9	80.2
(0. RAD/SEC)	160	54.7	56.0	57.3	58.6	59.9	61.2	62.5	63.8	65.1	66.4	67.7	69.0	70.3	71.6	72.9	74.2	75.5	76.8	78.1	79.4
NFK 0. RPM	200	54.5	55.8	57.1	58.4	59.7	61.0	62.3	63.6	64.9	66.2	67.5	68.8	70.1	71.4	72.7	74.0	75.3	76.6	77.9	79.2
(0. RAD/SEC)	250	55.5	56.8	58.1	59.4	60.7	62.0	63.3	64.6	65.9	67.2	68.5	69.8	71.1	72.4	73.7	75.0	76.3	77.6	78.9	80.2
NFD 0. RPM	315	55.1	56.4	57.7	59.0	60.3	61.6	62.9	64.2	65.5	66.8	68.1	69.4	70.7	72.0	73.3	74.6	75.9	77.2	78.5	79.8
(0. RAD/SEC)	400	53.1	54.4	55.7	57.0	58.3	59.6	60.9	62.2	63.5	64.8	66.1	67.4	68.7	70.0	71.3	72.6	73.9	75.2	76.5	77.8
AIRFLOW RATIO	500	51.8	53.1	54.4	55.7	57.0	58.3	59.6	60.9	62.2	63.5	64.8	66.1	67.4	68.7	70.0	71.3	72.6	73.9	75.2	76.5
WF/WM 8.00	680	52.1	53.4	54.7	56.0	57.3	58.6	59.9	61.2	62.5	63.8	65.1	66.4	67.7	69.0	70.3	71.6	72.9	74.2	75.5	76.8
	800	52.1	53.4	54.7	56.0	57.3	58.6	59.9	61.2	62.5	63.8	65.1	66.4	67.7	69.0	70.3	71.6	72.9	74.2	75.5	76.8
VEHICLE JENOTS	1000	52.0	53.3	54.6	55.9	57.2	58.5	59.8	61.1	62.4	63.7	65.0	66.3	67.6	68.9	70.2	71.5	72.8	74.1	75.4	76.7
CONFIG JE#056	1250	50.6	51.9	53.2	54.5	55.8	57.1	58.4	59.7	61.0	62.3	63.6	64.9	66.2	67.5	68.8	70.1	71.4	72.7	74.0	75.3
LOG EVENDALE	1600	47.2	48.5	49.8	51.1	52.4	53.7	55.0	56.3	57.6	58.9	60.2	61.5	62.8	64.1	65.4	66.7	68.0	69.3	70.6	71.9
DATE 04-22-75	2000	43.2	44.5	45.8	47.1	48.4	49.7	51.0	52.3	53.6	54.9	56.2	57.5	58.8	60.1	61.4	62.7	64.0	65.3	66.6	67.9
RUN DBTF-MODEL 2	2500	36.4	37.7	39.0	40.3	41.6	42.9	44.2	45.5	46.8	48.1	49.4	50.7	52.0	53.3	54.6	55.9	57.2	58.5	59.8	61.1
TARE X20320	3150	27.5	28.8	30.1	31.4	32.7	34.0	35.3	36.6	37.9	39.2	40.5	41.8	43.1	44.4	45.7	47.0	48.3	49.6	50.9	52.2
FAN TIP SPEED	4000	14.8	16.1	17.4	18.7	20.0	21.3	22.6	23.9	25.2	26.5	27.8	29.1	30.4	31.7	33.0	34.3	35.6	36.9	38.2	39.5
FT/SEC	5000	7.2	8.5	9.8	11.1	12.4	13.7	15.0	16.3	17.6	18.9	20.2	21.5	22.8	24.1	25.4	26.7	28.0	29.3	30.6	31.9
	6300		9.1	10.4	11.7	13.0	14.3	15.6	16.9	18.2	19.5	20.8	22.1	23.4	24.7	26.0	27.3	28.6	29.9	31.2	32.5
	8000			0.3	1.6	2.9	4.2	5.5	6.8	8.1	9.4	10.7	12.0	13.3	14.6	15.9	17.2	18.5	19.8	21.1	22.4
	10000																				
OVERALL CALCULATED		65.4	70.7	74.1	75.5	77.6	78.8	79.7	80.4	80.6	80.6	80.1	79.8	77.1	72.2						
PND8		68.5	76.9	81.3	83.2	86.0	87.0	88.1	88.9	89.0	88.8	86.9	84.9	79.7	72.0						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

		PROC. DATE - MONTH 4 DAY 30 HR. 15.0																	PWL		
		DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)																			
		ANGLES FROM INLET IN DEGREES, (AND RADIAN)																			
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
		(0.52)	(0.77)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)	(3.85)
REV. ALPHA 12/73	FREQ.	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240
	50	78.2	77.2	81.3	79.9	81.4	81.7	83.1	84.3	86.1	87.3	85.5	92.3	96.2	94.9	94.8	94.8	94.8	94.8	94.8	94.8
	60	78.6	79.6	81.6	80.3	81.5	83.4	84.5	85.2	86.9	87.7	89.2	95.1	98.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8
	80	79.6	81.2	82.5	81.2	82.7	83.3	85.6	86.1	87.4	87.0	89.0	93.3	94.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	100	80.5	81.9	82.6	82.8	83.5	83.5	84.7	86.6	87.5	90.3	91.7	93.5	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
	125	82.1	81.6	83.3	82.9	83.3	85.2	86.4	86.3	87.6	90.1	90.7	93.2	92.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
	150	81.3	81.9	83.4	83.1	84.5	84.9	86.2	86.9	87.2	88.9	90.9	93.2	90.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
	200	80.8	83.2	84.2	84.5	85.3	86.0	86.3	87.0	87.4	88.5	90.4	91.2	89.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	250	82.6	82.9	84.1	86.4	86.3	87.1	87.1	87.1	87.5	89.2	90.7	91.5	88.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8
	315	82.1	84.4	86.1	86.0	86.7	87.2	87.5	88.2	88.4	89.4	90.6	91.5	88.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
	400	81.4	84.8	85.9	87.3	87.2	87.7	87.6	89.0	89.2	90.7	92.0	92.7	90.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0
	500	82.1	85.6	86.2	87.3	87.8	88.5	89.3	89.9	90.5	91.6	93.3	93.8	91.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5
	630	83.0	87.5	87.6	88.3	89.0	90.1	90.8	91.8	92.3	93.7	94.9	95.4	94.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
	800	84.4	89.0	89.9	90.0	90.8	92.1	92.3	93.0	93.2	94.8	96.3	97.1	96.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	1000	85.1	89.4	90.2	91.1	92.7	93.2	93.3	94.3	94.3	96.0	97.1	98.4	97.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	1250	85.7	90.7	91.7	92.5	93.4	93.9	93.7	95.5	95.9	97.4	97.4	99.0	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
	1600	85.8	91.3	92.7	92.9	93.8	93.8	95.1	95.9	96.6	97.5	97.6	99.1	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	2000	87.2	95.2	95.5	94.5	94.9	94.0	94.8	95.6	96.1	96.7	96.6	98.2	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	2500	87.8	96.4	96.3	95.9	95.7	94.1	93.2	93.8	95.4	95.1	95.0	96.5	97.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	3150	86.1	95.0	96.0	95.6	95.4	94.4	93.0	92.8	93.0	93.3	92.0	93.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	4000	80.7	89.8	91.1	92.0	92.1	93.6	91.9	91.4	90.5	91.0	89.9	91.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
	5000	79.0	87.9	88.9	89.2	89.3	90.1	89.8	90.2	89.0	88.3	86.8	88.0	89.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
	6300	75.6	84.8	86.1	86.9	86.0	86.3	86.6	87.5	86.3	86.5	84.2	85.2	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4
	8000	72.5	80.7	83.1	83.5	82.6	82.9	83.1	84.7	84.9	84.5	82.1	82.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8
	10000	68.6	76.0	78.5	78.3	78.3	78.9	78.7	82.7	81.3	83.8	80.6	81.4	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
	OVERALL CALCULATED	96.8	102.9	103.7	103.6	104.0	104.1	104.1	104.9	105.3	106.3	106.8	108.4	108.2	108.9	108.9	108.9	108.9	108.9	108.9	108.9
	PNDB	109.6	116.7	117.5	117.4	117.5	117.3	116.8	117.2	117.9	118.3	118.3	119.6	120.0	120.9	120.9	120.9	120.9	120.9	120.9	120.9

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIAN)															
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)
REV. ALPHA 12/73	FREQ.	50	54.3	55.6	61.3	61.0	63.2	63.9	65.4	66.5	67.8	68.4	65.5	70.7	72.4	67.6	
NO EGA	83	54.6	57.9	61.5	61.3	63.2	65.5	66.6	67.4	68.7	68.7	69.1	73.5	72.1	67.4		
SIDELINE 2400. FT.	80	55.5	59.5	62.3	62.2	64.4	65.4	67.9	68.2	69.1	67.9	68.8	71.6	70.4	66.0		
(731.52 H)	100	56.3	60.1	62.4	63.6	65.1	65.6	68.9	68.7	69.2	71.1	71.5	71.7	68.5	65.9		
NFA 0. RPM	125	57.7	59.7	62.9	63.7	64.8	67.2	68.5	68.3	69.2	70.9	70.4	70.2	67.8	61.4		
0. RAD/SEC	140	56.7	59.8	62.9	63.7	65.9	66.8	68.2	68.8	68.6	69.6	70.4	71.1	65.9	59.1		
NFK 0. RPM	200	56.0	60.9	63.5	65.0	66.7	67.8	68.2	68.8	68.7	69.1	69.7	68.9	64.3	56.5		
0. RAD/SEC	250	57.5	60.3	63.2	66.8	67.4	68.8	68.8	68.7	68.7	69.5	69.9	69.0	65.0	56.6		
NFB 0. RPM	315	56.6	61.5	65.0	66.2	67.6	68.6	69.1	69.6	69.3	69.5	69.5	68.6	63.2	56.2		
0. RAD/SEC	400	55.3	61.5	64.5	67.2	67.9	68.9	68.9	70.1	69.8	70.6	70.6	69.4	64.3	57.3		
AIRFLOW RATIO	500	55.4	61.8	64.3	66.7	68.2	69.4	70.3	70.7	70.8	71.1	71.4	69.9	64.5	57.8		
WF/WM - 8.00	630	55.4	63.0	65.2	67.3	68.9	70.5	71.4	72.2	72.2	72.7	72.6	70.9	66.4	59.1		
	800	55.6	63.6	66.8	68.4	70.1	72.0	72.3	72.9	72.8	73.2	73.1	71.7	67.2	60.8		
VEHICLE -- JENOTS	1000	55.0	63.1	66.2	68.8	71.3	72.5	72.6	73.6	72.8	73.7	73.1	72.0	66.9	61.4		
CONFIG JE-056	1250	53.9	63.0	66.7	68.2	71.3	72.3	72.4	74.0	73.7	74.1	72.4	71.3	66.6	60.5		
LCC EVENDALE	1600	51.5	61.8	66.1	68.3	70.4	71.1	72.6	73.2	73.2	72.9	71.1	69.6	64.5	56.8		
DATE 04-22-75	2000	50.0	63.5	67.1	68.3	70.1	69.9	71.0	71.5	71.3	70.6	68.5	66.5	61.8	52.9		
RUN DBTF-MODEL-2	2500	46.5	61.5	65.4	67.4	68.7	68.1	67.7	67.7	68.5	66.6	64.0	61.6	56.0	46.2		
TARE X20330	3150	38.0	55.0	60.8	63.4	65.1	65.1	64.1	63.6	62.8	61.2	56.8	53.9	46.7	32.0		
FAN-TIP-SPEED	4000	22.6	42.0	49.5	54.3	56.8	59.6	58.4	57.4	55.2	53.3	48.3	43.3	33.9	13.6		
FT/SEC	5000	15.0	35.7	43.7	48.3	51.1	53.3	53.5	53.4	50.8	47.4	41.6	35.8	25.2	2.0		
	6300		19.5	30.0	36.6	39.2	41.4	42.3	42.7	39.5	36.1	28.2	19.9	5.6			
	8000			10.5	18.8	22.6	25.3	26.6	27.3	24.9	19.8	9.5					
	10000					0.0	4.2	5.1	7.9	3.0							
OVERALL CALCULATED		67.8	74.0	77.3	79.1	80.9	81.9	82.6	83.3	83.3	83.6	83.2	83.0	79.9	74.6		
PND8		72.7	83.2	87.1	89.2	90.9	91.3	92.9	92.4	92.2	92.9	90.5	89.3	84.4	76.8		

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	210.
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)
	50	81.7	80.5	84.3	83.4	85.4	85.5	86.6	88.1	90.1	91.8	90.5	97.5	100.5	97.9	97.9	97.9	97.9	97.9	97.9
	83	82.6	84.1	85.8	84.5	86.0	87.1	89.0	89.5	90.9	91.9	94.5	100.1	100.8	97.8	97.8	97.8	97.8	97.8	97.8
RDG. NO. EGA	80	83.3	85.5	86.5	85.0	86.5	86.3	88.9	89.9	91.7	91.5	94.5	98.3	99.4	96.1	96.1	96.1	96.1	96.1	96.1
RADIAL 320, FT.	100	83.7	85.9	86.6	86.0	88.3	87.8	89.2	91.4	92.3	95.0	97.0	98.8	98.0	97.0	97.0	97.0	97.0	97.0	97.0
(98. 4)	125	85.8	85.4	87.0	86.9	87.5	88.9	90.4	90.8	92.4	95.3	96.5	96.9	96.1	92.9	92.9	92.9	92.9	92.9	92.9
VEHICLE JENOTS	140	85.3	85.9	86.9	87.1	88.2	89.4	90.7	91.2	92.4	95.1	97.1	98.2	94.4	94.0	94.0	94.0	94.0	94.0	94.0
CONFIG JE*056	200	84.8	87.0	87.9	87.8	89.3	90.3	91.0	91.5	92.9	95.0	96.4	96.5	93.6	90.0	90.0	90.0	90.0	90.0	90.0
LCC EYENDALE	250	86.4	86.6	87.6	89.4	90.0	90.6	91.3	91.9	92.8	95.2	96.5	96.8	94.4	90.3	90.3	90.3	90.3	90.3	90.3
DATE 04-22-75	315	86.1	87.9	89.3	89.3	89.7	90.7	91.5	93.0	94.1	96.1	95.8	97.3	94.2	90.6	90.6	90.6	90.6	90.6	90.6
RUN DBTF-MODEL 2	400	85.9	88.3	89.6	90.6	91.7	91.7	92.9	93.8	94.9	97.7	97.5	98.0	95.7	92.5	92.5	92.5	92.5	92.5	92.5
TAPE X20340	500	85.9	89.4	89.7	90.5	91.1	92.8	93.8	94.9	96.5	98.9	98.5	98.8	96.5	94.0	94.0	94.0	94.0	94.0	94.0
BAR 29.9 HG	630	87.5	91.5	91.3	91.3	92.0	93.3	94.5	96.5	97.6	100.0	99.4	100.9	98.7	96.6	96.6	96.6	96.6	96.6	96.6
(01039, N/42)	800	88.4	92.7	93.1	93.5	94.0	95.1	95.3	96.8	98.4	101.1	100.8	101.6	101.0	98.7	98.7	98.7	98.7	98.7	98.7
TAMB 59, DEG F	1000	89.1	93.2	93.7	94.4	95.9	96.7	96.6	98.1	99.6	101.8	101.6	103.4	102.3	101.5	101.5	101.5	101.5	101.5	101.5
(288, DEG K)	1250	90.7	94.4	94.4	95.0	96.4	96.6	97.2	99.5	99.9	102.1	102.9	104.2	103.7	103.3	103.3	103.3	103.3	103.3	103.3
TWET 53, DEG F	1600	91.3	96.6	96.7	96.1	97.0	97.3	97.8	99.7	100.4	102.2	102.4	104.1	104.5	103.4	103.4	103.4	103.4	103.4	103.4
(285, DEG K)	2000	93.7	99.2	98.7	97.3	97.9	97.5	98.3	99.6	100.3	100.7	101.6	103.7	103.2	102.3	102.3	102.3	102.3	102.3	102.3
HACT 8.91 GM/H3	2500	93.3	99.9	100.6	99.6	99.7	97.6	97.0	98.3	99.4	99.1	99.8	101.5	101.1	100.4	100.4	100.4	100.4	100.4	100.4
(.00891 KG/H3)	3150	90.1	96.3	98.3	99.4	99.9	98.1	96.8	97.0	97.0	97.8	97.3	99.4	99.5	97.8	97.8	97.8	97.8	97.8	97.8
FREQ. SHIFT	4000	86.2	92.3	93.3	93.8	94.6	96.1	95.4	95.1	94.0	95.0	94.9	96.5	96.3	94.7	94.7	94.7	94.7	94.7	94.7
JET 9	5000	84.5	91.4	91.9	92.2	92.3	91.8	92.0	92.2	92.0	92.1	91.6	93.0	94.2	92.4	92.4	92.4	92.4	92.4	92.4
DIAMETER RATIO	6300	80.9	87.8	89.1	89.4	89.3	88.8	88.9	89.8	88.8	89.2	88.5	90.2	91.3	89.6	89.6	89.6	89.6	89.6	89.6
DF/DM - 8.00	8000	77.2	84.7	86.8	86.5	86.1	85.9	85.6	86.9	86.9	87.3	85.6	87.8	89.0	87.0	87.0	87.0	87.0	87.0	87.0
	10000	72.9	81.7	83.3	83.3	82.8	83.4	82.7	84.4	83.6	86.3	82.9	85.4	88.9	84.3	84.3	84.3	84.3	84.3	84.3
OVERALL CALCULATED		101.6	106.4	107.0	106.9	107.6	107.4	107.7	108.9	109.8	111.5	111.9	113.5	113.0	111.5	111.5	111.5	111.5	111.5	111.5
PND8		114.7	120.2	120.9	120.9	121.4	120.8	120.4	121.3	122.0	122.9	123.2	124.9	124.4	123.0	123.0	123.0	123.0	123.0	123.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	0°	0°	0°			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)			
REV. ALPHA 12/73	FREQ.	50	57.8	58.9	64.3	64.5	67.2	67.7	68.9	70.3	71.8	72.9	70.5	75.9	76.6	70.6					
NO-EGA	63	58.6	62.4	65.7	65.5	67.7	69.3	71.3	71.6	72.7	73.0	74.4	78.5	76.9	69.9						
SIDELINE 2400 FT.	80	59.3	63.7	66.3	65.9	68.2	68.4	71.1	72.0	73.4	72.4	74.3	76.6	75.4	68.5						
{731.52 M}	100	59.5	64.1	66.4	67.6	69.9	69.8	71.4	73.4	73.9	75.9	76.7	76.9	73.8	69.2						
NFA 0 RPM	125	61.5	63.4	66.7	67.7	69.1	70.9	72.5	72.8	73.9	76.2	76.1	75.0	71.8	64.9						
(0 RAD/SEC)	160	60.7	63.8	66.4	67.7	69.7	71.3	72.7	73.1	73.9	75.8	76.6	76.1	69.9	62.6						
NFK 0 RPM	200	60.0	64.7	67.3	68.3	70.7	72.0	72.9	73.3	74.2	75.6	75.7	74.2	68.8	61.2						
(- 0 RAD/SEC)	250	61.2	64.0	66.7	69.8	71.2	72.3	73.1	73.5	73.9	75.5	75.6	74.2	69.3	61.1						
NFD 0 RPM	315	60.6	65.0	68.2	69.4	70.6	72.1	73.1	74.4	75.0	76.3	74.7	74.4	68.7	60.7						
(- 0 RAD/SEC)	400	59.8	65.0	68.2	70.4	72.4	72.9	74.2	74.9	75.6	77.6	76.1	74.7	69.6	61.8						
AIRFLOW RATIO	500	59.1	65.6	67.8	70.0	71.4	73.6	74.8	75.7	76.8	78.3	76.7	74.9	69.7	62.3						
WF/WM -8.00	630	59.9	67.0	69.0	70.3	71.9	73.7	75.1	76.9	77.5	79.0	77.1	76.4	71.1	63.6						
	800	59.6	67.4	70.0	71.9	73.4	75.0	75.3	76.7	77.8	79.4	77.6	76.2	72.2	64.1						
VEHICLE - JENOTS	1000	59.0	66.8	69.7	72.0	74.6	76.0	76.1	77.3	78.3	79.4	77.6	77.0	72.2	64.9						
CONFIG JE#056	1250	58.9	66.8	69.4	71.7	74.3	75.1	75.9	78.0	77.7	78.9	77.9	76.6	71.9	64.1						
LOC EVENDALE	1600	57.0	67.1	70.1	71.5	73.6	74.6	75.4	77.0	77.0	77.6	75.8	74.6	70.3	60.6						
DATE 04-22-75	2000	56.5	67.5	70.4	71.1	73.1	73.4	74.5	75.5	75.5	74.6	73.3	72.0	68.1	55.2						
RUN DBTF-MODEL-2	2500	52.0	65.0	69.6	71.2	72.7	71.6	71.2	72.2	72.5	70.6	68.8	66.6	59.8	47.0						
TAPE X20340	3150	42.0	56.2	63.0	67.2	69.6	68.9	67.9	67.8	66.8	65.7	62.1	59.4	51.5	34.3						
FAN-TIP SPEED	4000	28.1	44.5	51.8	56.1	59.3	62.1	61.9	61.1	58.7	57.3	53.3	48.8	38.2	16.1						
PT/SEC	5000	20.5	39.2	46.7	51.3	54.1	55.1	55.7	55.4	53.8	51.2	46.3	40.8	30.2	5.1						
	6300		22.5	33.0	39.1	42.5	43.9	44.6	44.9	42.0	38.9	32.4	24.9	10.1							
	8000			14.2	21.8	26.1	28.5	29.1	29.6	26.9	22.5	13.0	2.4								
	10000					4.5	8.7	9.1	9.7	5.3	1.5										
OVERALL CALCULATED		71.9	77.9	80.9	82.5	84.4	85.4	86.3	87.5	88.1	89.3	88.4	88.1	84.7	77.8						
PND8		78.0	87.1	90.9	92.8	94.7	94.8	95.6	96.6	96.8	97.2	95.7	94.6	89.8	80.8						

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL			
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.				
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)				
REV, ALPHA 12/73	FREQ.	50	79.9	63.0	80.6	80.7	81.7	82.0	83.6	85.8	87.8	90.3	89.3	96.3	99.7	100.6					
	50	79.9	63.0	80.6	80.7	81.7	82.0	83.6	85.8	87.8	90.3	89.3	96.3	99.7	100.6						
NO EGA	63	80.8	65.8	82.6	81.0	82.2	83.1	85.2	87.0	88.2	89.7	92.2	98.4	99.8	99.1						
REG. NO. 0.	80	81.1	67.2	83.2	81.5	83.0	82.0	84.9	86.4	88.7	89.0	92.0	96.6	98.2	102.8						
RADIAL 320, FT.	100	81.2	67.7	83.1	83.3	84.0	83.8	84.9	88.4	89.0	91.8	94.2	96.3	96.0	96.2						
(98. 4)	125	82.6	66.6	83.8	83.6	83.8	84.7	85.9	87.6	88.9	91.6	92.5	93.9	93.1	90.2						
VEHICLE JENOTS	160	82.0	67.9	84.6	83.3	84.2	84.9	85.9	87.9	88.4	90.6	93.1	94.5	91.2	88.2						
CCNFIC JS-056	200	81.0	68.7	84.9	84.7	85.8	85.7	86.8	87.7	88.3	90.5	92.6	92.9	89.6	85.7						
LOC EVERDALE	250	83.1	68.6	84.8	86.7	86.7	86.6	86.5	87.8	88.5	90.4	92.2	92.7	89.6	86.8						
DATE 04-22-75	313	83.3	70.0	87.7	86.2	86.3	86.7	86.9	88.9	89.5	91.1	92.2	92.2	89.4	86.0						
RLN DBTF=MODEL 2	400	83.1	71.4	87.8	88.2	88.1	88.7	88.8	90.1	89.8	92.9	93.4	93.6	91.3	91.1						
TAPE X20350	500	82.4	70.7	87.3	87.8	87.9	89.1	89.1	91.5	91.8	94.2	94.3	94.3	92.6	90.0						
BAR 29.9 HG	630	83.3	71.5	88.6	88.1	88.8	89.9	90.8	92.5	93.6	95.8	96.5	96.9	95.0	91.4						
(01039, N/Y2)	800	84.6	74.7	90.3	89.9	91.5	91.8	91.2	93.7	94.1	97.0	97.7	98.8	96.7	93.9						
TAMB 59. DEG F	1000	85.4	75.8	91.5	91.0	92.2	93.3	92.7	95.2	95.5	98.1	98.9	99.4	98.6	96.6						
(268, DEG K)	1250	86.9	76.4	91.6	92.2	93.1	93.5	93.6	96.4	97.0	98.8	99.3	100.4	99.8	97.7						
TWET 53. DEG F	1600	86.9	76.9	93.3	92.5	93.6	93.9	95.2	97.3	97.2	99.1	99.2	100.2	99.9	99.0						
(285, DEG K)	2000	87.2	78.7	94.3	92.8	94.0	93.8	94.9	96.9	97.4	98.0	98.2	100.0	99.7	98.0						
HACT 8.91 GM/M3	2500	88.1	80.7	96.1	94.7	94.7	92.6	93.3	94.5	96.2	97.3	96.1	97.8	98.6	99.2						
(.00891 KG/M3)	3150	85.6	79.1	94.8	94.2	93.4	92.2	91.1	92.6	92.8	93.6	92.9	94.3	95.1	94.6						
FREQ. SHIFT	4000	80.3	73.6	89.7	90.4	90.4	90.0	89.0	90.5	89.4	90.3	89.5	90.9	91.9	89.8						
JET 9	5000	77.1	71.3	86.8	86.1	87.2	86.5	86.4	87.3	86.9	87.2	85.4	87.1	88.8	87.8						
DIAMETER RATIO	6300	74.2	68.7	83.7	83.5	82.9	82.4	83.4	84.4	83.6	84.3	82.5	84.3	86.4	84.7						
DF/DM 8.00	8000	70.6	66.5	80.0	79.9	79.2	79.3	79.7	81.8	81.0	82.9	80.0	81.4	83.1	82.2						
OVERALL CALCULATED	10000	67.7	65.3	75.1	75.4	74.1	74.5	77.8	80.7	78.7	81.9	79.0	79.7	81.0	79.9						
PWDB	109.8	101.2	116.9	116.3	116.3	115.7	115.9	117.7	118.3	119.8	119.4	121.0	121.0	121.0	120.5						



☆ 10 dB TOO LOW

ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV, ALPHA 12/73	FREQ.	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	180°	(0.0°)	(0.0°)	(0.0°)
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)			
	50	56.1	41.4	60.5	61.7	63.4	64.2	65.9	68.0	69.6	71.4	69.2	74.7	75.9	73.3				
NO EGA	63	56.9	44.2	62.5	62.0	64.0	65.3	67.5	69.1	69.9	76.7	72.1	76.7	75.9	71.6				
SIDELINE 2400. FT	80	57.0	45.5	63.1	62.4	64.7	64.1	67.1	68.5	70.4	69.9	71.8	74.8	74.1	75.2				
(731.52 M)	100	57.0	45.8	62.9	64.1	65.6	65.8	67.1	70.4	70.7	72.6	74.0	74.4	71.8	68.4				
NFA 0. RPM	125	58.2	44.7	63.4	64.5	65.3	66.7	68.0	69.6	70.4	72.4	72.1	71.9	68.8	62.1				
(0. RAD/SEC)	160	57.4	45.8	64.1	64.0	65.7	66.8	67.9	69.8	69.9	71.3	72.6	72.3	66.6	56.8				
NFK 0. RPM	200	56.2	46.4	64.3	65.3	67.1	67.5	68.7	69.5	69.6	71.0	71.9	70.6	64.8	57.0				
(0. RAD/SEC)	250	58.0	46.0	63.9	67.0	67.9	68.2	68.3	69.4	69.6	70.7	71.3	70.2	64.5	57.5				
NFD 0. RPM	315	57.7	47.2	66.7	66.3	67.3	68.1	68.5	70.3	70.5	71.2	71.2	69.3	63.8	56.1				
(0. RAD/SEC)	400	57.0	48.1	66.3	68.1	68.8	69.9	70.1	71.3	70.5	72.7	72.0	70.3	65.2	60.4				
AIRFLOW RATIO	500	55.7	46.9	65.4	67.3	68.3	69.9	70.1	72.3	72.2	73.7	72.5	70.5	65.8	58.4				
WF/LM 8.00	630	55.6	47.1	66.2	67.1	68.7	70.3	71.4	73.0	73.5	74.8	74.1	72.4	67.4	58.4				
	800	55.8	49.3	67.2	68.3	69.8	71.7	71.3	73.6	73.5	75.4	74.6	73.4	67.9	59.3				
VEHICLE JENOTS	1000	55.3	48.6	67.0	68.6	70.9	72.6	72.1	74.4	74.1	75.8	74.9	73.1	68.5	59.9				
CCNF16 JEW356	1250	55.1	48.7	66.6	68.9	71.0	72.0	72.3	74.9	74.9	75.5	74.3	72.7	68.0	58.5				
LCC EVENDALE	1600	52.7	47.4	66.7	67.9	71.3	71.2	72.7	74.6	73.8	74.5	72.7	70.7	65.6	56.2				
DATE 04-22-75	2000	50.1	47.0	65.9	66.6	69.2	69.7	71.1	72.8	72.6	71.8	69.8	68.3	62.6	51.4				
RUN CBTF-MODEL 2	2500	46.8	45.8	65.1	66.2	67.8	66.6	67.5	68.5	69.2	68.8	65.1	62.9	57.3	45.7				
TAPE X20350	3150	37.6	39.0	59.6	62.0	63.1	63.0	62.2	63.4	62.6	61.5	57.6	54.2	47.1	31.1				
FAN TIP SPEED	4000	22.2	25.9	48.1	52.7	55.1	56.0	55.5	56.5	54.1	52.7	47.9	43.1	33.8	11.2				
FT/SEC	5000	13.1	19.1	41.6	45.2	48.9	49.7	50.1	50.6	48.7	46.3	40.2	34.9	24.8	0.5				
	6300		3.4	27.6	33.2	36.1	37.5	39.2	39.5	36.8	34.0	26.5	19.0	5.2					
	8000			7.4	15.2	19.3	21.9	23.2	24.4	21.1	18.2	7.4							
	10000							4.2	6.0	0.4									
OVERALL CALCULATED		68.7	59.4	77.9	79.1	80.7	81.7	82.4	84.3	84.4	85.5	85.0	85.0	82.5	79.3				
PND8		73.3	67.5	87.2	88.5	90.2	90.7	91.6	93.3	93.1	93.5	92.2	90.7	85.8	77.8				



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10 dB Too Low

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SOALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, RUN, DAY - JENOTS)

REV. ALPHA 12/73	FREQ. (D.52)	ANGLES FROM INLET IN DEGREES (AND RADIAN)												REL. RUN, DAY - JENOTS			PWL
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	
NO EGA	50	81.2	65.0	82.1	81.7	82.9	83.0	84.6	87.3	88.6	91.3	90.3	96.5	101.0	100.4		151.1
RCG, NO. 0.	63	82.1	67.8	84.1	82.0	83.0	84.1	86.2	88.0	89.9	90.9	93.5	99.4	100.8	97.8		151.6
RADIAL 320. FT.	80	82.8	69.2	84.5	83.0	84.0	84.0	86.1	87.6	89.4	90.2	93.2	97.3	98.9	98.3		150.5
(98. 4)	100	82.5	69.4	84.4	85.0	85.3	85.0	86.7	89.4	90.3	93.0	95.5	97.5	97.0	96.7		150.7
VEHICLE JENOTS	125	83.6	68.6	85.8	84.9	84.8	85.7	87.2	88.8	90.1	92.6	94.2	95.4	94.6	91.7		149.3
CCNFIG JE-056	160	83.5	69.4	85.6	85.0	85.5	86.2	87.2	88.2	89.4	91.9	94.6	96.2	93.2	89.9		149.2
LCC EVENDALE	200	82.8	70.2	86.2	85.5	87.1	87.0	88.0	89.2	89.8	92.0	94.3	94.5	91.1	87.5		148.9
DATE 04-22-75	250	84.3	69.8	85.8	86.9	87.7	87.6	87.5	89.1	89.7	91.1	93.7	94.0	91.4	87.8		148.7
RUN CBT-MODEL 2	315	84.1	71.1	88.5	86.7	87.1	87.5	88.2	89.7	90.6	92.1	93.3	94.5	90.7	88.0		149.1
TAPE X20380	400	84.4	72.2	89.1	88.8	88.9	88.9	89.3	91.2	91.1	92.9	94.2	95.2	92.6	90.9		150.2
BAR 29.9 HG	500	83.5	72.0	88.3	88.4	89.2	89.4	90.5	91.8	92.6	94.5	95.4	95.6	93.9	91.1		151.1
(01039, N/42)	630	84.1	72.9	89.0	88.7	89.4	90.7	91.9	93.6	94.9	96.6	97.6	98.0	96.1	93.4		153.1
TAMB 59, DEG F	800	85.7	75.0	90.7	90.3	91.3	92.2	92.4	94.1	95.0	97.1	98.8	99.6	98.3	96.3		154.3
(288, DEG K)	1000	86.4	75.9	91.7	91.4	92.7	93.2	92.9	95.3	95.9	98.0	99.8	100.6	99.8	98.5		155.5
TKET 53, DEG F	1250	88.4	78.3	93.4	92.7	93.9	94.3	94.4	96.4	97.8	99.1	99.8	101.6	100.6	100.2		156.7
(285, DEG K)	1600	88.9	81.0	95.6	94.8	95.4	94.9	95.5	96.8	97.8	99.6	99.3	101.7	101.4	100.8		157.4
HACT 8.91 GM/M3	2000	91.8	85.1	100.1	97.9	98.6	95.8	95.7	96.7	98.0	98.4	98.3	100.6	101.3	101.2		158.1
(.00891 KG/M3)	2500	91.0	84.3	99.5	98.8	98.8	96.7	94.9	95.1	96.3	96.8	96.7	98.2	99.2	100.5		157.5
FREQ. SHIFT	3150	86.7	80.4	96.2	96.8	97.3	96.5	94.4	94.0	94.2	94.5	93.0	94.6	95.7	95.9		155.8
JET 9	4000	82.1	75.7	91.0	91.2	91.5	93.6	92.6	93.1	91.0	91.4	89.8	91.4	92.5	92.4		153.0
DIAMETER RATIO	5000	79.4	74.6	89.6	89.4	89.2	88.7	88.9	90.1	88.4	88.3	86.9	87.9	89.1	90.3		150.4
DF/CM 8.00	6300	75.3	73.3	85.8	85.8	86.0	85.5	84.8	86.2	85.5	85.4	83.6	84.8	86.2	87.8		148.3
OVERALL CALCULATED	8000	72.2	73.6	82.6	82.5	81.8	81.6	81.3	83.6	82.8	83.2	81.0	81.7	83.9	86.5		147.3
PNOB	10000	68.5	74.4	79.2	79.4	79.7	79.3	79.1	81.3	79.2	82.7	79.5	80.5	81.8	87.0		148.1
		99.2	90.9	106.0	105.3	105.8	105.1	104.9	106.1	107.0	108.4	109.2	111.0	111.0	110.2		167.0
		132.0	104.5	119.6	119.0	119.3	118.6	117.7	118.4	119.0	120.0	120.1	121.8	121.9	122.1		160.3



★ 10 dB TOO LOW

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 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																0. 0. 0.		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	0.	0.	0.
REV. ALPHA-12/73		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0.)	(0.)	(0.)
NO EGA	50	57.3	43.4	62.0	62.7	64.7	65.2	66.9	69.5	70.3	72.4	70.2	74.9	77.1	73.1					
SIDELINE 2400 FT	63	58.1	46.2	64.0	63.0	64.7	66.3	68.5	70.1	71.7	72.0	73.4	77.7	76.9	70.4					
(731.52 M)	80	58.8	47.5	64.3	63.9	65.7	66.1	68.4	69.7	71.1	71.2	73.1	75.6	74.9	70.7					
NFA 0. RPM	100	58.3	47.6	64.2	65.9	66.9	67.1	68.9	71.4	71.9	73.9	75.2	75.7	72.8	68.9					
(0. RAD/SEC)	125	59.2	46.7	65.4	65.7	66.3	67.7	69.3	70.8	71.7	73.4	73.9	73.4	70.3	63.6					
NFK 0. RPM	160	58.9	47.3	65.1	65.7	66.9	68.1	69.2	70.1	70.9	72.6	74.1	74.1	68.6	61.6					
(0. RAD/SEC)	200	58.0	47.9	65.5	66.0	68.4	68.8	69.9	71.0	71.2	72.5	73.7	72.1	66.3	58.7					
NFD 0. RPM	250	59.2	47.3	65.0	67.3	68.9	69.2	69.3	70.7	70.9	71.5	72.8	71.4	66.2	58.6					
(0. RAD/SEC)	315	58.5	48.2	67.4	66.9	68.1	68.9	69.8	71.1	71.5	72.2	72.2	71.6	65.1	58.2					
AIRFLOW RATIO	400	58.2	48.9	67.6	68.6	69.6	70.0	70.6	72.3	71.8	72.7	72.8	71.9	66.5	60.2					
WF/WN 8.00	500	56.7	48.2	66.5	67.9	69.6	70.2	71.5	72.6	73.0	74.0	73.5	71.8	67.1	59.4					
	630	56.5	48.4	66.6	67.7	69.3	71.1	72.5	74.1	74.8	75.6	75.2	73.5	68.5	60.5					
	800	56.9	49.7	67.6	68.7	70.7	72.1	72.4	74.0	74.3	75.5	75.7	74.3	69.5	61.6					
VEHICLE JENOTS	1000	56.3	49.6	67.7	69.0	71.3	72.5	72.3	74.6	74.6	75.7	75.9	74.3	69.7	61.9					
CCNF16 JE056	1250	56.6	50.7	68.3	69.4	71.7	72.7	73.1	74.9	75.6	75.8	74.8	74.0	68.8	61.0					
LCC EVENDALE	1600	54.7	51.5	69.0	70.2	72.0	72.2	73.0	74.1	74.4	75.0	72.7	72.2	67.2	58.0					
DATE 04-22-75	2000	54.7	53.4	71.7	71.7	73.7	71.8	71.9	72.6	73.1	72.2	69.9	68.9	64.2	54.0					
RLN DBTF-MODEL 2	2500	49.7	49.4	68.5	70.3	71.9	70.7	69.1	69.3	68.3	65.7	63.3	57.9	47.1						
TAPE 820360	3150	38.7	40.4	61.0	64.6	67.0	67.3	65.5	64.7	63.9	62.3	57.7	54.6	47.7	32.4					
FAN TIP SPEED	4000	24.0	28.0	49.4	53.5	56.2	59.6	59.1	59.1	55.7	53.7	48.3	43.7	34.3	13.8					
FT/SEC	5000	15.4	22.4	44.3	48.5	51.0	52.0	52.6	53.3	50.2	47.4	41.7	35.7	25.1	3.0					
	6300		8.0	29.7	35.5	39.2	40.6	40.5	41.3	38.7	35.1	27.6	19.5	5.0						
	8000			10.0	17.8	21.9	24.2	24.8	26.3	22.9	18.5	8.4								
	10000					1.4	4.5	5.5	6.6	0.9										
OVERALL CALCULATED		20.0	61.5	79.7	80.6	82.4	82.8	83.4	84.8	85.3	86.1	86.1	86.2	83.6	78.1					
PND8		75.8	71.3	90.2	91.2	93.0	92.8	92.7	93.7	94.0	94.1	92.8	92.0	87.2	78.6					



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PAGE 1 FULL SCALE DATA REDUCTION PROGRAM FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)
NO EGA	50	82.4	66.0	82.8	83.2	85.2	84.7	84.3	88.8	90.3	93.1	92.3	98.3	102.5	100.4					152.4
RCG, NO. 0.	63	83.6	69.1	85.1	84.3	85.2	85.9	88.2	89.5	90.9	92.4	95.2	100.6	101.8	99.1					152.9
RADIAL 320, FT.	80	83.6	70.2	86.2	84.7	85.5	85.5	88.1	89.9	91.7	92.7	96.0	99.1	100.4	98.6					152.2
(98. 4)	100	83.5	70.4	86.4	86.5	87.5	87.3	88.7	90.9	92.3	95.5	97.2	99.3	98.2	96.7					152.4
VEHICLE JENOTS	125	85.1	69.9	87.0	87.1	86.8	87.9	89.2	91.1	92.4	95.8	97.0	96.7	95.8	92.2					151.4
CONFIG JE-056	160	84.2	70.7	87.1	86.5	87.5	88.2	89.4	91.2	92.2	95.4	96.8	97.2	93.7	89.9					151.2
LOC EVENDALE	200	83.8	72.0	87.7	87.5	89.1	89.0	90.0	91.2	92.8	95.2	96.3	95.4	91.9	88.2					150.9
DATE 04-22-75	250	86.1	71.8	88.3	89.7	90.2	89.6	90.0	91.6	93.0	95.4	95.9	95.7	92.6	88.8					151.2
RUN GBTF-MODEL 2	315	85.8	73.3	91.2	89.7	89.6	90.4	90.7	92.7	94.5	96.6	96.2	95.9	93.2	88.5					152.0
TAPE X20370	400	86.1	74.2	91.0	90.7	91.1	91.9	91.8	93.6	94.8	97.6	97.2	97.6	94.8	92.1					153.1
BAR 29.9 HG	500	85.2	74.0	90.3	90.1	91.7	91.6	93.1	95.2	97.1	99.2	98.1	98.3	96.1	92.5					154.3
(01039, N/42)	630	86.0	75.3	91.4	91.4	92.3	93.4	94.8	97.0	98.8	100.5	100.0	100.4	98.0	94.9					156.0
YAMB 59. DEG F	800	88.1	78.2	93.8	92.9	94.2	94.8	95.2	97.7	99.9	101.5	101.2	101.8	100.2	96.9					157.4
(288. DEG K)	1000	88.4	79.2	94.5	94.7	96.2	96.3	96.0	98.4	100.5	102.6	101.9	103.2	101.6	99.1					158.5
THET 53. DEG F	1250	90.2	78.6	94.6	94.9	96.6	97.0	97.4	99.7	101.5	103.1	103.3	104.6	103.3	101.2					159.8
(265. DEG K)	1600	89.4	79.4	95.5	95.5	96.9	97.6	98.9	101.0	101.7	102.6	103.2	103.9	103.9	101.5					160.1
HACT 8.91 GM/M3	2000	88.2	78.0	94.7	94.8	96.7	97.5	98.6	101.4	101.4	101.8	102.4	103.2	102.7	100.1					159.8
1.00891 KG/M3	2500	87.3	78.7	94.1	93.9	95.4	96.1	97.5	99.0	100.2	99.7	100.1	100.8	99.9	97.7					158.2
FREQ. SHIFT	3150	86.9	80.8	96.3	94.4	94.2	94.2	94.8	97.4	97.6	97.6	97.1	97.8	97.9	95.1					156.7
JET 9	4000	81.3	76.1	91.4	91.4	91.2	91.2	91.5	93.7	94.1	94.6	94.2	95.4	94.7	91.3					154.1
DIAMETER RATIO	5000	77.3	73.9	87.3	87.3	87.4	87.2	87.7	90.3	90.7	91.2	90.2	90.8	91.8	89.0					150.9
DF/CH 8.00	6300	73.7	72.7	84.9	83.2	83.9	83.4	84.4	86.9	87.1	87.8	87.0	88.3	88.9	87.0					148.9
OVERALL CALCULATED	8000	70.6	73.5	81.5	80.9	80.2	80.3	81.2	84.3	84.8	85.7	84.0	84.9	86.9	86.7					148.2
PNRB	10000	68.5	74.8	77.4	77.6	78.1	78.2	78.5	81.5	80.9	85.2	81.5	83.2	84.0	86.7					148.8
		110.8	103.1	118.4	117.5	118.0	118.5	119.5	121.6	122.6	123.8	123.5	124.3	123.7	121.1					160.1
																				170.4

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		0, 0			
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642

☆ 10 dB Too Low

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)										PROG. DATE - MONTH 5 DAY 3 HR. 15.7										0.0, 0.0, 0.0, PWL			
ANGLES FROM INLET IN DEGREES (AND RADIANS)																							
REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	0.	0.	0.	PWL
	50	82.7	67.0	82.8	82.4	84.4	84.2	86.3	88.1	91.1	94.3	93.5	100.0	103.7	103.6								134.0
NO EGA	63	84.1	70.1	84.8	83.3	84.0	85.6	88.0	89.0	90.9	93.4	95.7	102.1	104.8	101.8								134.7
RCG, NO. 0.	80	84.1	69.7	85.2	83.7	85.0	84.8	87.4	89.1	91.4	93.0	96.0	100.3	102.4	101.6								153.4
RADIAL 320. FT.	100	83.5	69.9	84.9	85.3	86.5	85.8	87.7	90.6	92.3	95.8	97.7	100.3	100.0	100.0								153.2
(98. M)	125	84.6	68.9	85.5	85.4	85.8	86.7	88.4	89.6	92.1	95.1	97.0	97.2	96.6	93.7								151.3
VEHICLE JENOTS	160	83.2	69.7	85.1	85.0	86.0	87.2	88.7	89.4	91.4	94.1	97.1	98.0	93.9	91.2								150.9
CCNFIG JE#056	200	82.8	70.5	86.4	86.5	87.1	87.7	89.0	90.0	91.3	93.7	95.6	95.7	91.9	88.5								150.0
LCC EYE DALE	250	84.6	70.6	86.3	87.9	88.2	88.1	88.5	90.1	91.0	93.1	95.7	95.0	91.6	88.5								149.9
DATE 04-22-75	315	84.0	71.3	88.5	87.2	87.6	88.2	89.4	89.9	91.8	93.8	94.5	94.7	91.2	87.7								149.9
RLN DBTF-MODEL 2	400	84.6	72.4	89.3	89.0	89.4	89.7	90.0	91.1	91.6	94.6	95.4	95.6	93.1	91.6								150.9
TAPE X20380	500	83.9	72.2	88.3	89.1	90.2	90.6	91.1	92.7	93.8	95.9	96.1	96.3	94.1	91.5								152.0
BAR 29.9 HG	630	84.3	72.8	89.1	89.1	90.3	90.9	92.8	94.5	95.3	97.8	98.5	98.4	96.3	93.6								153.7
(01039, N/42)	800	85.1	74.2	90.6	90.7	92.2	92.3	92.7	94.5	96.1	99.3	99.7	100.0	98.4	96.2								155.1
TAMB 59, DEG F	1000	86.4	76.0	92.0	91.5	93.2	93.6	94.0	95.7	97.2	100.1	100.6	101.4	99.6	98.6								156.3
(288, DEG K)	1250	88.2	77.1	92.4	92.7	94.6	94.3	94.9	96.9	99.3	100.6	101.0	102.0	101.1	100.2								157.3
THET 53, DEG F	1600	88.1	79.7	94.5	93.7	95.1	95.1	96.2	97.5	99.2	100.3	101.0	102.2	101.6	100.5								157.9
(285, DEG K)	2000	89.0	81.5	96.0	94.8	96.0	95.3	95.6	97.4	98.9	99.8	99.7	101.0	100.5	100.6								157.7
HACT 8.91 GM/M3	2500	91.3	83.7	98.1	96.9	97.2	95.1	94.8	96.0	97.2	98.2	98.3	99.6	100.1	99.9								157.4
(00891 KG/M3)	3150	87.1	80.6	96.8	96.7	96.2	94.2	92.8	93.4	94.8	95.4	94.6	95.8	96.6	95.3								155.6
FREQ. SHIFT	4000	81.3	75.4	90.4	91.4	92.9	92.2	91.3	91.5	91.4	91.8	91.7	92.9	93.2	91.8								133.0
JET 9	5000	79.1	74.5	88.5	88.1	88.4	88.0	87.9	88.8	88.4	89.0	87.7	89.3	90.8	90.3								150.2
DIAMETER RATIO	6300	75.2	73.4	85.7	85.7	85.1	84.4	84.9	85.9	85.6	86.3	84.8	86.5	87.9	88.2								148.5
DF/CM 8.00	8000	71.6	74.5	82.2	82.2	81.0	81.3	81.2	83.1	82.8	84.2	81.5	82.9	84.9	87.4								147.4
	10000	68.5	74.8	79.4	79.4	76.9	78.7	79.3	81.0	80.2	84.2	79.7	81.2	83.0	87.4								148.4
OVERALL CALCULATED		99.0	89.9	104.9	104.4	105.2	104.7	105.2	106.6	108.1	110.0	110.7	112.3	112.4	111.3								167.8
PNOB		112.0	104.0	118.6	118.2	118.5	117.4	117.5	118.8	120.0	121.4	121.6	122.9	122.8	122.1								169.1



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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)
NO EGA	50	58.8	45.4	62.8	63.5	66.2	66.4	68.7	70.3	72.8	75.4	73.5	78.4	79.9	76.3				
SIDELINE 2400. FT	63	60.1	48.4	64.7	64.3	65.7	67.8	70.3	71.1	72.7	74.5	75.6	80.5	80.9	74.4				
(731.52 M)	80	60.0	48.0	65.1	64.7	66.7	66.9	69.6	71.2	73.1	73.9	75.8	78.6	78.4	74.0				
NFA	100	59.3	48.1	64.7	66.1	68.1	67.8	69.9	72.7	73.9	76.1	77.5	78.4	75.8	72.2				
(0. RPM)	125	60.2	46.9	65.2	66.2	67.3	68.7	70.5	71.6	73.7	75.9	76.6	75.2	72.3	65.6				
(0. RAD/SEC)	160	58.7	47.5	64.6	65.7	67.4	69.1	70.7	71.3	72.9	74.8	76.6	75.8	69.4	62.8				
NFK	200	58.0	48.1	65.8	67.0	68.4	69.3	70.9	71.7	72.6	74.3	74.9	73.4	67.0	59.7				
(0. RAD/SEC)	250	59.5	48.0	65.4	68.3	69.4	69.7	70.3	71.7	72.1	73.5	74.8	72.4	66.5	59.3				
NFD	315	58.5	48.4	67.4	67.3	68.5	69.6	71.0	71.3	72.7	74.0	73.4	71.8	65.6	57.9				
(0. RAD/SEC)	400	58.5	49.1	67.8	68.8	70.0	70.9	71.3	72.3	72.2	74.5	74.0	72.3	67.0	60.9				
AIRFLOW RATIO	500	57.2	48.4	66.4	68.6	70.5	71.4	72.1	73.6	74.2	75.4	74.2	72.5	67.3	59.9				
WF/WM 8.00	630	56.6	48.3	66.7	68.1	70.2	71.3	73.4	75.0	75.3	76.8	76.1	73.9	68.7	60.7				
	800	56.3	48.8	67.5	69.1	71.6	72.2	72.8	74.4	75.5	77.6	76.6	74.7	69.7	61.5				
VEHICLE JENOTS	1000	56.3	49.6	68.1	69.1	71.9	72.8	73.4	74.9	75.9	77.8	76.7	75.1	69.5	61.9				
CCNFIC JE-056	1250	56.4	49.5	67.4	69.4	72.5	72.7	73.6	75.4	77.1	77.3	76.0	75.0	69.3	61.0				
LOC EVENDALE	1600	53.9	50.2	68.0	69.1	71.8	72.4	73.7	74.8	75.8	75.7	74.4	72.7	67.4	57.7				
DATE 04-22-75	2000	51.8	49.8	67.6	68.6	71.2	71.2	71.8	73.3	74.1	73.6	71.3	69.3	63.4	53.4				
RUN DBTF-MODEL 2	2500	50.0	48.8	67.1	68.4	71.3	69.1	69.0	70.0	70.2	69.7	67.3	64.7	58.8	46.5				
TAPE X20380	3150	39.1	40.5	61.6	64.5	65.9	65.0	63.9	64.1	64.6	63.2	59.4	55.7	48.6	31.8				
FAN TIP SPEED	4000	23.2	27.6	48.9	53.7	57.6	58.2	57.7	57.5	56.1	54.2	50.2	45.1	35.0	13.2				
FT/SEC	5000	15.1	22.4	43.3	47.2	50.2	51.2	51.6	52.1	50.2	48.1	42.4	37.2	26.8	3.0				
	6300		8.1	29.6	35.4	38.3	39.5	40.7	41.0	38.8	36.0	28.8	21.2	6.7					
	8000			9.6	17.5	21.0	23.9	24.7	25.7	22.8	19.4	8.9							
	10000						4.0	5.7	6.3	1.9									
OVERALL CALCULATED		70.5	61.1	79.1	80.4	82.4	83.0	84.2	85.5	86.6	88.0	87.8	88.0	86.2	81.1				
PNDP		74.9	69.9	88.8	90.3	92.3	92.2	93.0	94.3	95.1	95.5	94.4	93.0	88.0	79.3				



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10 dB TOO LOW

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE - MONTH 5 DAY 3 HR: 15:7
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 59. DEG. F, 70 PERCENT REL. HUMIDITY DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	0°	0°	0°
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0.0)	(0.0)	(0.0)
NO EGA	50	84.9	68.5	86.6	85.4	86.9	86.5	88.9	90.6	92.8	96.3	96.3	102.0	106.2	104.1			155.9		
RDG. AC. 0.	63	86.6	71.6	88.1	86.5	87.7	88.4	90.7	91.7	94.7	96.2	96.7	104.1	105.8	102.8			156.5		
RADIAL 320, FT.	80	86.3	72.2	87.7	86.7	88.0	87.5	90.6	91.9	94.9	96.0	99.5	102.6	104.4	103.1			155.8		
(98. M)	100	86.0	72.4	88.1	88.5	89.5	89.0	90.9	93.6	95.3	98.5	100.2	102.0	101.7	100.7			155.4		
VEHICLE JENOTS	125	87.3	72.1	86.5	88.6	88.5	89.9	91.9	93.1	95.1	98.6	100.0	99.7	99.1	95.2			154.2		
CCNFIG JE4056	160	86.2	72.7	89.1	88.5	89.2	90.2	91.7	92.9	95.2	97.9	100.1	99.5	95.9	92.9			153.8		
LCC EVEIDALE	200	85.8	73.2	88.9	89.0	90.3	90.7	92.3	94.0	95.6	98.2	99.3	98.2	94.6	90.7			153.6		
DATE 04-22-75	250	87.3	73.1	89.5	90.7	91.5	91.3	92.5	93.6	95.7	98.1	98.7	98.0	94.8	91.0			153.5		
RLN DBTF-MODEL 2	315	87.3	75.0	91.7	90.7	90.8	91.4	92.9	94.2	96.5	98.8	98.5	97.7	94.9	90.7			153.9		
TAPE X20390	400	87.6	75.7	92.8	92.5	92.6	92.9	94.0	95.1	96.8	99.9	99.2	98.9	96.3	93.9			154.9		
EAR 29.9 HQ	500	86.4	75.5	92.3	92.1	93.2	93.8	95.1	96.5	98.6	100.7	100.1	99.8	97.6	94.5			155.9		
(01039, N/42)	630	87.3	76.3	92.4	92.9	93.8	94.9	96.6	98.3	100.8	102.3	101.2	101.9	100.3	96.6			157.7		
YAMB 59, DEG F	800	88.6	78.2	94.3	94.4	95.2	96.5	97.0	99.0	101.4	103.5	103.0	103.5	101.9	98.7			159.0		
(280, DEG K)	1000	89.2	79.5	95.0	95.0	96.2	97.6	97.5	99.4	102.0	104.1	103.6	104.2	103.3	100.6			159.8		
TKET 53, DEG F	1250	91.2	79.4	95.1	95.7	97.9	98.3	98.4	100.7	102.5	104.3	104.5	105.1	104.3	101.9			160.8		
(285, DEG K)	1600	90.9	80.4	96.3	96.2	97.4	98.4	99.7	101.0	102.5	104.1	104.2	105.2	104.9	102.3			161.0		
WACT 8.91 GM/M3	2000	89.2	81.0	96.0	96.1	98.0	97.8	99.9	101.4	102.1	102.8	102.9	103.7	103.0	100.6			160.4		
1.00891 KG/M3	2500	88.1	81.7	98.3	95.7	96.4	96.9	98.5	99.8	100.9	100.9	100.6	101.1	100.1	98.2			159.1		
FREQ. SHIFT	3150	87.9	82.8	98.6	97.2	95.9	95.7	96.3	98.1	98.6	99.1	97.9	98.5	98.1	95.3			158.0		
JET 9	4000	82.6	76.6	92.9	93.6	93.4	94.0	93.0	94.7	95.1	95.6	94.7	95.6	95.4	91.8			155.4		
DIAMETER RATIO	5000	78.8	74.3	89.0	89.1	89.2	89.2	89.4	91.3	91.9	92.0	91.4	92.1	92.0	89.5			152.1		
DF/CM 8.00	6300	75.7	73.9	86.9	86.2	85.1	85.7	85.9	88.1	88.1	89.5	88.5	89.8	89.9	87.2			150.4		
OVERALL CALCULATED	8000	71.9	73.8	83.7	82.9	82.2	82.0	82.7	85.1	85.3	86.9	84.7	88.4	88.5	86.7			149.7		
PND8	10000	68.5	75.1	79.4	79.4	79.9	79.5	80.5	82.7	82.9	85.9	81.7	88.2	88.0	87.2			150.8		
	12000	68.8	81.0	106.7	106.3	107.1	107.6	108.7	110.4	112.1	113.8	113.9	114.9	114.8	112.4			170.7		
		112.1	104.8	120.3	119.6	119.5	119.7	120.9	122.4	123.7	124.7	124.6	125.5	124.7	122.1			172.0		



☆ 10 dB TOO LOW

ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 90 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	(0.)
REV. ALPHA 12/73	FREQ.	50	61.1	46.9	66.5	66.5	68.7	68.7	71.2	72.8	74.6	77.4	76.2	80.4	82.4	76.8			
		63	62.6	49.9	68.0	67.5	69.5	70.5	73.0	73.9	76.4	77.2	78.6	82.5	81.9	75.4			
SIDELINE NO EGA		80	62.3	50.5	67.6	67.7	69.7	69.6	72.9	74.0	76.6	76.9	79.3	80.8	80.4	75.5			
(731.52 M)		100	61.8	50.6	67.9	69.4	71.1	71.1	73.1	75.7	76.9	79.4	80.0	80.2	77.5	72.9			
NFA 0. RPM		125	63.0	50.2	68.2	69.5	70.1	71.9	74.0	75.1	76.7	79.4	79.6	77.7	74.8	67.1			
(0. RAD/SEC)		160	61.7	50.5	68.6	69.2	70.7	72.1	73.7	74.8	76.6	78.6	79.6	77.3	71.4	64.6			
NFK 0. RPM		200	61.0	50.9	68.3	69.5	71.6	72.5	74.2	75.7	76.9	78.8	78.7	75.9	69.8	62.0			
(0. RAD/SEC)		250	62.2	50.5	68.7	71.0	72.6	73.0	74.3	75.2	76.9	78.5	77.8	75.4	69.7	61.8			
NFD 0. RPM		315	61.7	52.2	70.7	70.8	71.8	72.8	74.5	75.6	77.5	79.0	77.4	74.8	69.3	60.9			
(0. RAD/SEC)		400	61.5	52.3	71.3	72.3	73.3	74.0	75.3	76.3	77.5	79.7	77.7	75.6	70.2	63.2			
AIRFLOW RATIO		500	59.7	51.7	70.4	71.6	73.5	74.7	76.1	77.3	78.9	80.2	78.2	76.0	70.8	62.9			
WF/W 8.00		630	59.6	51.8	70.0	71.9	73.7	75.3	77.2	78.7	80.8	81.3	78.8	77.4	72.7	63.7			
		800	59.8	52.8	71.2	72.8	74.6	76.4	77.0	78.9	80.7	81.9	79.8	78.2	73.2	64.0			
VEHICLE JENOTS		1000	59.1	53.1	71.1	72.6	74.9	76.8	76.9	78.7	80.6	81.8	79.7	77.8	73.2	63.9			
CCNFIE JE-056		1250	59.4	51.7	70.1	72.4	75.7	76.7	77.1	79.2	80.4	81.0	79.5	77.5	72.5	62.7			
LCC EVENDALE		1600	56.7	50.9	69.7	71.6	74.0	75.7	77.2	78.3	79.1	79.5	77.7	75.7	70.6	59.4			
DATE 04-22-75		2000	52.1	49.3	67.6	69.9	73.2	73.7	76.1	77.3	77.3	76.6	74.6	72.0	65.9	53.4			
RLN CBTF-MODEL 2		2500	46.8	46.8	67.3	67.2	69.5	70.9	72.7	73.8	74.0	72.4	69.6	66.2	58.8	44.7			
TAPE X20390		3150	39.8	42.8	63.3	65.0	65.6	66.5	67.4	68.9	68.3	67.0	62.6	58.5	50.1	31.8			
FAN TIP SPEED		4000	24.4	28.9	51.4	55.9	58.1	60.0	59.5	60.7	59.8	57.9	53.2	47.9	37.3	13.2			
FT/SEC		5000	14.8	22.1	43.8	48.2	50.9	52.4	53.1	54.6	53.7	51.1	46.2	39.9	28.0	2.2			
		6300		8.6	30.9	35.9	38.3	40.8	41.7	43.2	41.3	39.2	32.5	24.5	8.7				
		8000			11.1	18.2	22.3	24.6	26.2	27.7	25.3	22.2	12.1	3.0					
		10000				1.6	4.8	6.9	8.0	4.6	1.0								
OVERALL CALCULATED			73.2	63.6	81.9	83.2	85.2	86.4	87.8	89.2	90.7	91.9	91.0	90.4	88.3	82.1			
PND8			77.3	70.6	90.4	91.6	94.1	95.1	96.8	98.2	98.9	99.4	97.7	95.9	90.9	81.1			



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10 dB TOO LOW

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC: DATE - MONTH 5 DAY 3 HR: 15:6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59.8 DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0.0 0.0 0.0			PHL	
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.					
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)					
	50	84.7	68.0	86.3	85.4	86.7	86.2	88.3	90.6	93.1	95.8	96.0	101.8	105.7	103.9						155.6	
NO EGA	63	85.8	71.6	87.3	85.5	87.2	87.9	89.7	90.7	93.7	95.7	98.0	103.1	105.1	102.1						155.7	
REG. NO. 0.	80	86.1	72.0	88.0	86.2	87.7	87.3	90.1	91.4	94.4	95.5	99.0	102.1	103.9	102.3						155.8	
RADIAL 320. FT.	100	85.0	71.9	87.9	88.3	89.0	88.3	90.2	93.1	95.0	97.8	99.7	101.3	100.7	100.2						154.7	
(98.4)	125	86.8	71.1	88.0	88.1	88.5	89.4	91.2	92.6	94.9	98.1	99.5	98.4	97.6	94.4						153.5	
VEHICLE JENOTS	160	85.7	72.2	88.4	87.8	88.7	89.2	91.4	92.7	94.7	97.6	99.6	99.2	94.9	92.2						153.3	
CCNFIG JET 056	200	85.0	73.0	88.7	88.5	89.8	90.5	92.0	93.0	95.1	97.5	98.3	97.4	93.6	90.0						152.8	
LCC EVEN DALE	250	86.8	72.8	89.0	90.4	91.2	91.1	91.5	93.1	95.0	97.4	98.2	97.5	93.8	90.0						152.9	
DATE 04-22-75	315	86.8	74.8	92.0	91.0	90.8	91.2	92.4	94.2	96.3	97.3	97.7	97.2	93.9	90.2						153.3	
RUN DBTF-MODEL 2	400	87.3	75.9	92.8	92.2	92.4	92.6	93.5	95.5	96.8	98.9	98.9	98.9	95.8	93.4						154.6	
TAPE X20400	500	85.9	75.5	92.5	92.1	92.9	93.3	94.6	96.2	97.8	99.7	99.6	99.3	96.8	93.3						155.3	
BAR 29.9 HG	630	86.8	76.0	92.6	92.9	93.6	94.4	96.1	98.3	100.6	102.0	101.0	101.4	99.5	96.1						157.4	
01039. N/M2	800	87.8	77.7	94.1	93.9	95.0	96.0	97.2	98.7	100.9	103.3	102.5	102.8	101.2	98.2						158.6	
YAMB 59. DEG F	1000	88.9	79.0	95.5	95.5	95.7	96.8	97.2	99.2	101.7	103.9	103.1	103.7	102.3	100.1						159.5	
(288. DEG K)	1250	90.2	79.9	95.1	95.9	97.4	98.0	98.6	99.9	103.0	104.3	104.0	104.9	103.3	101.7						160.6	
THET 53. DEG F	1600	89.6	80.2	95.3	96.0	97.6	98.1	99.7	101.0	102.5	103.8	104.2	104.7	103.9	102.3						160.8	
(285. DEG K)	2000	89.0	79.3	95.5	95.6	97.5	98.3	99.9	101.9	102.6	103.0	103.2	103.7	102.7	100.6						158.6	
WACT 8.9 GM/M3	2500	86.9	79.2	94.9	94.7	96.2	96.6	98.8	100.5	101.7	101.2	101.1	101.8	100.1	97.9						157.5	
00089.1 KG/M3	3150	86.4	81.6	97.1	95.2	94.7	95.2	96.1	97.8	98.6	98.6	98.1	98.5	98.1	94.8						157.3	
FREQ. SHIFT	4000	81.3	77.1	92.7	92.6	91.7	92.2	93.3	94.7	94.6	95.6	95.2	95.6	94.9	91.3						155.0	
JET 9	5000	77.6	73.3	88.5	88.3	88.7	88.5	89.2	90.8	91.9	92.2	91.7	91.8	92.3	88.8						151.9	
DIAMETER RATIO	6300	73.7	72.9	85.2	85.0	84.4	84.7	85.7	87.6	88.9	89.8	88.0	90.0	89.9	86.7						150.2	
DF/DH 8.00	8000	70.1	73.6	82.0	81.4	81.0	81.0	82.2	84.8	86.0	86.9	85.0	87.7	88.5	85.9						149.3	
	10000	67.5	74.6	77.9	70.6	78.9	79.0	79.5	82.5	82.4	85.9	82.2	88.0	87.7	86.9						150.5	
OVERALL CALCULATED	100.1	90.2	106.0	105.8	106.7	107.3	108.6	110.3	112.0	113.5	113.6	114.5	114.1	111.9							170.4	
PNDP	111.0	103.9	119.3	118.4	118.9	119.3	120.9	122.6	124.0	124.7	124.6	125.3	124.3	121.0							171.7	

☆

☆ 10 dB TOO LOW

ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59: DEG. F, 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES, (AND RADIANS)																	
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.
	50	80.8	46.4	66.3	66.5	68.4	68.4	70.7	72.8	74.8	76.9	76.0	80.2	81.9	76.6				
	63	61.9	49.9	67.2	66.3	69.0	70.0	72.0	72.9	75.4	76.7	77.9	81.5	81.1	74.6				
SIDELINE 2400' FT	80	62.0	50.2	67.8	67.2	69.4	69.4	72.4	73.5	76.1	76.4	78.8	80.3	79.9	74.7				
(731.52 M)	100	60.8	30.1	67.7	69.1	70.6	70.3	72.4	75.2	76.7	78.6	79.5	79.4	76.5	72.4				
BFA	0: RPM	125	62.5	49.2	67.7	69.0	70.1	71.4	73.3	74.6	76.4	78.9	79.1	76.4	73.3	66.4			
(	0: RAD/SEC)	160	61.2	50.0	67.9	68.5	70.2	71.1	73.4	74.6	76.1	78.3	79.1	77.1	70.4	63.8			
NFK	0: RPM	200	60.2	50.6	68.0	69.0	71.1	72.2	73.9	74.7	76.4	78.0	77.7	75.1	68.8	61.2			
(	0: RAD/SEC)	250	61.7	50.3	68.2	70.8	72.4	72.7	73.3	74.7	76.1	77.7	77.3	74.9	68.7	60.8			
NFD	0: RPM	315	61.2	51.9	70.9	71.1	71.8	72.6	74.0	75.6	77.2	77.5	76.7	74.3	68.3	60.4			
(	0: RAD/SEC)	400	61.2	52.6	71.3	72.1	73.0	73.7	74.8	76.7	77.5	78.7	77.5	75.6	69.7	62.7			
AIRFLOW RATIO	500	59.2	51.7	70.7	71.6	73.3	74.2	75.6	77.1	78.2	79.2	77.7	75.5	70.1	61.6				
WF/KM 8.00	630	59.1	51.6	70.2	71.9	73.5	74.8	76.7	78.7	80.5	81.0	78.6	76.9	71.0	63.2				
	800	59.1	52.3	71.0	72.3	74.3	75.9	77.3	78.6	80.2	81.6	79.3	77.4	72.4	63.5				
VEHICLE JENOTS	1000	58.8	52.6	71.6	73.1	74.4	76.1	76.6	78.4	80.4	81.5	79.2	77.3	72.2	63.4				
CONFIG JE=056	1250	58.4	52.2	70.1	72.6	75.2	76.3	77.3	78.4	80.9	81.0	79.0	77.2	71.5	62.5				
LOC EVENDALE	1600	55.4	50.7	68.7	71.4	74.3	75.4	77.2	78.3	79.1	79.8	77.7	75.2	69.6	59.4				
DATE 04-22-75	2000	51.8	47.6	67.1	69.4	72.7	74.4	76.1	77.8	77.8	76.8	74.8	72.0	65.6	53.4				
RUN DBTF-MODEL 2	2500	45.6	44.3	63.9	66.2	69.3	70.6	73.0	74.5	74.7	72.7	70.1	66.9	58.8	44.5				
TAPE X20400	3150	38.8	41.5	61.8	63.0	64.4	66.0	67.2	68.6	68.3	66.5	62.9	58.5	50.1	31.3				
FAN TIP SPEED	4000	23.2	29.4	51.1	54.9	56.4	58.2	59.7	60.7	59.3	57.9	53.7	47.9	36.8	12.7				
FT/SEC	5000	13.6	21.1	43.3	47.4	50.4	51.7	52.9	54.1	53.7	51.3	46.4	39.7	28.3	1.5				
	6300		7.6	29.1	34.7	37.6	39.8	41.4	42.7	42.1	39.5	32.0	24.7	8.7					
	8000			9.4	16.7	21.0	23.6	25.7	27.4	26.1	22.8	12.4	2.3						
	10000					0.6	4.3	5.9	7.8	4.1	1.0								
OVERALL CALCULATED		72.6	63.3	81.7	83.0	84.9	86.0	87.5	89.0	90.5	91.4	90.5	89.8	87.6	81.6				
PND8		26.5	70.0	89.3	91.2	93.7	95.1	96.7	98.3	99.0	99.0	97.5	95.4	90.1	80.7				



☆ 10 dB TOO LOW

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0, 0, 0, PHL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
SPL INPUT AT STD		FREQ,	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,	
REV, ALPHA 12/73		50	87.7	86.0	87.3	88.2	89.4	89.2	90.8	93.3	95.8	99.6	99.8	105.5	110.2	106.9				159.6
NO EGA		63	89.3	89.3	90.3	88.5	90.0	90.6	92.5	94.2	96.4	98.7	101.2	106.4	109.1	106.6				159.4
RDB, NO, 0,		80	90.1	90.4	90.4	89.2	90.2	90.0	92.3	94.9	96.9	98.9	102.7	105.8	108.9	106.0				159.4
RADIAL 320, FT,		100	88.7	89.9	90.1	90.8	91.0	91.5	92.9	95.9	97.8	101.0	103.7	104.0	104.7	104.5				158.2
(98, M)		125	89.6	88.4	90.3	90.1	90.5	91.9	94.4	95.6	98.1	101.1	102.7	101.9	101.6	99.4				156.9
VEHICLE JENOTS		160	88.0	89.2	90.1	90.5	91.0	92.2	94.2	95.7	97.4	101.1	102.8	101.7	99.4	96.7				156.6
CONFIG JE-058		200	86.8	89.2	89.7	90.5	91.8	93.0	94.0	96.5	97.6	100.3	101.8	99.7	97.4	93.7				155.8
LOC EVENDALE		250	88.3	88.6	89.0	92.4	93.0	93.6	93.8	95.8	97.5	99.6	100.7	99.8	97.4	93.5				155.5
DATE 04-29-75		315	87.3	88.8	90.8	91.7	92.1	93.2	94.0	95.9	98.1	100.3	100.0	99.2	96.4	93.0				155.4
RUN DBTF-MODEL 2		400	87.8	89.2	90.8	93.5	93.6	93.6	95.1	96.7	98.1	100.7	101.0	99.9	97.1	94.2				156.1
TAPE X20410		500	87.0	89.0	90.6	93.1	94.2	95.4	96.0	97.5	99.4	101.2	101.6	99.9	98.1	95.3				156.9
BAR 29.5 HG		630	88.6	88.6	90.9	93.2	94.1	95.4	96.6	99.4	101.4	103.1	102.5	102.5	100.8	97.7				158.5
(99583, N/M2)		800	89.4	89.7	92.2	94.0	95.6	96.6	97.3	99.8	102.0	103.6	103.5	103.6	103.0	100.0				159.5
TAMB 68, DEG F		1000	89.3	90.4	93.6	94.6	96.4	97.4	98.1	100.8	102.1	104.5	104.5	104.1	104.0	101.7				160.4
(293, DEG K)		1250	90.8	91.0	93.1	95.9	97.3	98.2	98.6	101.4	102.5	104.8	104.7	105.1	104.3	102.4				161.0
TWET 54, DEG F		1600	90.4	91.7	94.0	96.0	97.4	98.4	99.7	101.5	102.2	104.3	104.2	104.9	104.3	102.5				161.1
(285, DEG K)		2000	89.7	92.0	95.3	96.1	97.5	98.3	99.4	101.1	101.7	103.1	102.7	103.3	102.5	100.4				160.3
HACT 0, GM/M3		2500	88.9	93.7	95.9	97.0	96.5	96.9	98.1	99.3	100.5	100.7	100.9	100.9	101.2	97.7				159.1
(, KG/M3)		3150	87.4	92.9	95.9	97.7	96.7	96.5	96.6	98.2	98.4	99.5	98.2	98.3	97.9	94.9				158.2
FREQ, SHIFT		4000	82.9	87.9	90.7	93.4	93.7	94.5	94.6	95.5	95.2	96.7	95.6	95.9	95.2	91.9				156.0
JET 9		5000	80.6	85.3	88.8	90.1	90.2	90.2	90.9	92.3	91.9	94.5	92.2	92.6	93.3	90.6				153.4
DIAMETER RATIO		6300	78.1	83.3	85.6	87.9	86.8	87.4	87.9	89.3	89.6	93.0	90.2	91.4	91.8	88.6				152.4
DF/DM 8.00		8000	77.5	80.7	83.1	85.3	84.6	84.4	84.9	87.2	86.7	94.1	89.1	90.6	91.3	88.8				153.2
OVERALL CALCULATED		10000	78.1	79.7	80.0	82.0	82.5	82.8	83.7	85.3	84.0	95.8	89.1	91.3	92.3	89.3				156.1
PNDB		101.8	103.3	105.4	106.9	107.6	108.3	109.3	111.3	112.6	114.8	115.3	116.0	117.0	114.4					171.9
		112.8	116.1	118.6	120.3	120.2	120.5	121.3	123.0	124.0	125.8	125.5	125.8	125.6	122.9					1.3
																				173.2

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SRL INPUT AT STD	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
REV, ALPHA 12/73	FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,-)
NO EGA	50	63.8	64.4	69.3	69.2	71.2	71.4	73.2	75.5	77.6	80.6	79.7	83.9	86.4	79.6		
SIDELINE 2400, FT,	63	65.4	67.7	70.2	69.5	71.7	72.8	74.8	76.4	78.2	79.7	81.1	84.7	85.1	79.1		
(731,52 H)	80	66.0	68.7	70.3	70.2	71.9	72.1	74.6	77.0	78.6	79.9	82.6	84.1	84.9	78.5		
NFA 0, RPM	100	64.5	68.1	69.9	71.6	72.6	73.6	75.1	77.9	79.4	81.9	83.5	82.2	80.5	76.7		
(0, RAD/SEC)	125	65.2	66.4	67.9	71.0	72.1	73.9	76.5	77.6	79.7	81.9	82.4	79.9	77.3	71.4		
NFK 0, RPM	160	63.4	67.1	69.6	71.2	72.4	74.1	76.2	77.6	78.9	81.8	82.4	79.6	74.9	68.3		
(0, RAD/SEC)	200	62.0	66.9	69.0	71.0	73.1	74.8	75.9	78.3	78.9	80.8	81.2	77.4	72.6	65.0		
NFD 0, RPM	250	63.2	66.0	68.2	72.8	74.1	75.2	75.5	77.4	78.6	80.0	79.8	77.2	72.2	64.3		
(0, RAD/SEC)	315	61.8	65.9	69.7	71.9	73.1	74.6	75.5	77.3	79.0	80.5	78.9	76.3	70.9	63.1		
AIRFLOW RATIO	400	61.7	65.9	69.4	73.3	74.3	74.8	76.4	77.8	78.8	80.5	79.5	76.6	71.0	63.5		
WF/WM 8.00	500	60.2	65.2	68.7	72.6	74.6	76.2	76.9	78.4	79.7	80.7	79.8	76.1	71.4	63.7		
VEHICLE JENOTS	630	61.0	64.1	68.6	72.2	74.0	75.8	77.2	79.8	81.3	82.1	80.2	78.0	73.2	64.7		
CONFIG JE-058	800	60.7	64.4	69.1	72.4	74.9	76.5	77.4	79.7	81.3	82.0	80.4	78.3	74.3	65.4		
LOC EVENDALE	1000	59.2	64.0	69.7	72.2	75.0	76.7	77.5	80.0	80.8	82.1	80.6	77.7	73.9	65.1		
DATE 04-29-75	1250	59.0	63.4	68.0	72.6	75.1	76.7	77.2	79.8	80.3	81.5	79.7	77.4	72.5	63.2		
RUN DBIF-MODEL 2	1600	56.1	62.2	67.5	71.4	74.0	75.7	77.2	78.8	78.8	79.7	77.7	75.4	70.1	59.7		
TAPE X20410	2000	52.6	60.3	66.9	69.9	72.7	74.2	75.6	77.1	76.8	76.9	74.4	71.6	65.4	53.2		
FAN TIP SPEED	2500	47.6	58.8	64.9	68.5	69.6	70.9	72.3	73.3	73.5	72.2	69.9	66.0	59.9	44.3		
FT/SEC	3150	39.4	52.9	60.7	65.6	66.5	67.3	67.8	68.9	68.1	67.3	63.0	58.3	49.9	31.4		
OVERALL CALCULATED	4000	24.7	40.2	48.2	55.7	58.4	60.5	61.0	61.6	59.9	59.0	54.0	48.2	37.1	13.3		
PND8	5000	16.6	33.1	43.6	49.2	52.0	53.5	54.6	55.6	53.7	53.6	47.0	40.4	29.3	3.2		
	6300		18.1	29.6	37.6	40.0	42.5	43.6	44.4	42.8	42.7	34.2	26.1	10.6			
	8000			10.5	20.6	24.7	27.0	28.3	29.8	26.7	29.3	16.5	5.2				
	10000					4.2	8.1	10.1	10.6	5.7	10.9						
		74.9	78.2	81.6	84.1	86.0	87.4	88.6	90.6	91.8	93.3	93.0	92.3	91.6	85.2		
		77.7	80.7	83.9	92.4	94.4	95.9	97.2	98.9	99.3	100.2	98.7	96.5	92.1	83.7		

		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	210.	220.	230.	240.	250.	260.	270.	280.	290.	300.	310.	320.	330.	340.	350.	360.	PWLI
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.13)	(3.30)	(3.47)	(3.64)	(3.81)	(3.98)	(4.15)	(4.32)	(4.49)	(4.66)	(4.83)	(5.00)	(5.17)	(5.34)	(5.51)	(5.68)	(5.85)	(6.02)	(6.19)	
	50	74.9	73.2	71.3	70.7	70.2	70.5	70.8	71.1	71.4	71.7	72.0	72.3	72.6	72.9	73.2	73.5	73.8	74.1	74.4	74.7	75.0	75.3	75.6	75.9	76.2	76.5	76.8	77.1	77.4	77.7	78.0	78.3	78.6	78.9	143.4
	80	75.6	76.8	78.1	79.5	80.8	82.1	83.4	84.7	86.0	87.3	88.6	89.9	91.2	92.5	93.8	95.1	96.4	97.7	99.0	100.3	101.6	102.9	104.2	105.5	106.8	108.1	109.4	110.7	112.0	113.3	114.6	115.9	117.2	118.5	144.9
RDG. NO. 0.	100	76.8	78.2	79.5	80.8	82.1	83.4	84.7	86.0	87.3	88.6	89.9	91.2	92.5	93.8	95.1	96.4	97.7	99.0	100.3	101.6	102.9	104.2	105.5	106.8	108.1	109.4	110.7	112.0	113.3	114.6	115.9	117.2	118.5	144.6	
RADIAL 320. FT.	125	77.7	78.9	79.1	79.5	80.8	82.1	83.4	84.7	86.0	87.3	88.6	89.9	91.2	92.5	93.8	95.1	96.4	97.7	99.0	100.3	101.6	102.9	104.2	105.5	106.8	108.1	109.4	110.7	112.0	113.3	114.6	115.9	117.2	118.5	145.0
(98. M)	150	78.8	77.6	79.8	79.4	80.8	81.9	82.9	84.1	85.4	86.6	87.8	89.1	90.4	91.7	93.0	94.3	95.6	96.9	98.2	99.5	100.8	102.1	103.4	104.7	106.0	107.3	108.6	109.9	111.2	112.5	113.8	115.1	116.4	117.7	144.0
VEHICLE JENOTS	200	78.0	79.2	79.6	79.5	80.5	81.4	82.2	83.1	84.0	84.9	85.8	86.7	87.6	88.5	89.4	90.3	91.2	92.1	93.0	93.9	94.8	95.7	96.6	97.5	98.4	99.3	100.2	101.1	102.0	102.9	103.8	104.7	105.6	106.5	144.0
CCNFIG JE*356	250	77.8	78.7	79.2	79.8	81.1	82.0	82.8	83.7	84.6	85.5	86.4	87.3	88.2	89.1	90.0	90.9	91.8	92.7	93.6	94.5	95.4	96.3	97.2	98.1	99.0	100.0	100.9	101.8	102.7	103.6	104.5	105.4	106.3	107.2	143.1
LOC EVENDALE	315	79.4	78.9	78.6	80.4	81.0	81.4	81.6	82.4	83.3	83.9	84.6	85.3	86.0	86.7	87.4	88.1	88.8	89.5	90.2	90.9	91.6	92.3	93.0	93.7	94.4	95.1	95.8	96.5	97.2	97.9	98.6	99.3	100.0	100.7	142.3
DATE 04-22-75	400	78.1	78.6	79.3	78.3	79.2	80.2	81.0	82.2	82.4	83.6	84.6	85.0	85.7	86.4	87.0	87.7	88.4	89.1	89.8	90.5	91.2	91.9	92.6	93.3	94.0	94.7	95.4	96.1	96.8	97.5	98.2	98.9	99.6	100.3	141.3
RUN DBTF-MODEL 2	500	76.2	77.8	77.9	78.3	79.2	80.0	80.4	81.0	81.4	82.2	82.6	83.2	83.7	84.3	84.9	85.5	86.1	86.7	87.3	87.9	88.5	89.1	89.7	90.3	90.9	91.5	92.1	92.7	93.3	93.9	94.5	95.1	95.7	96.3	140.6
TAPE X20420	630	74.6	77.1	76.9	77.8	78.8	79.7	79.8	80.7	81.2	82.6	83.7	84.7	85.7	86.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7	98.7	99.7	100.7	101.7	102.7	103.7	104.7	105.7	106.7	139.7
BAR 29.9 HG	800	74.5	77.2	77.1	77.1	77.5	79.3	80.3	81.0	81.8	82.2	82.9	83.1	83.7	84.3	84.9	85.5	86.1	86.7	87.3	87.9	88.5	89.1	89.7	90.3	90.9	91.5	92.1	92.7	93.3	93.9	94.5	95.1	95.7	96.3	139.6
(01039, N/42)	1000	74.1	77.9	78.1	78.7	78.8	79.3	79.8	80.8	80.9	82.1	82.7	82.8	83.7	84.7	85.7	86.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7	98.7	99.7	100.7	101.7	102.7	103.7	104.7	139.6
TAMB 59. DEG F	1250	73.8	78.4	77.9	79.1	80.1	79.9	79.3	80.6	81.1	81.8	82.4	83.0	83.6	84.2	84.8	85.4	86.0	86.6	87.2	87.8	88.4	89.0	89.6	90.2	90.8	91.4	92.0	92.6	93.2	93.8	94.4	95.0	95.6	96.2	139.9
(288. DEG K)	1600	73.4	77.9	78.1	77.7	79.1	79.3	78.9	79.7	81.3	81.8	83.3	83.8	84.3	84.8	85.3	85.8	86.3	86.8	87.3	87.8	88.3	88.8	89.3	89.8	90.3	90.8	91.3	91.8	92.3	92.8	93.3	93.8	94.3	94.8	139.8
THET 53. DEG F	2000	71.2	75.8	76.1	76.1	77.7	77.4	77.8	78.9	78.5	80.1	82.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	138.2
(285. DEG K)	2500	69.3	73.4	73.6	73.9	75.8	75.4	76.7	76.5	77.5	78.4	79.0	79.7	80.3	80.9	81.5	82.1	82.7	83.3	83.9	84.5	85.1	85.7	86.3	86.9	87.5	88.1	88.7	89.3	89.9	90.5	91.1	91.7	92.3	92.9	136.2
WACT 8.91 GM/M3	3150	66.2	70.5	71.2	71.8	73.0	72.5	73.6	74.4	75.2	76.0	76.4	77.4	77.8	78.8	79.4	80.0	80.6	81.2	81.8	82.4	83.0	83.6	84.2	84.8	85.4	86.0	86.6	87.2	87.8	88.4	89.0	89.6	90.2	90.8	133.9
(100891 KG/M3)	4000	63.8	68.3	69.0	69.6	70.1	70.1	71.0	72.0	73.5	73.6	74.8	75.4	76.4	77.4	78.4	79.4	80.4	81.4	82.4	83.4	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	131.9
FREQ. SHIFT	5000	60.2	64.8	65.1	65.8	66.1	67.6	68.0	69.4	70.3	71.3	72.4	73.4	74.4	75.4	76.4	77.4	78.4	79.4	80.4	81.4	82.4	83.4	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	129.7
JET 9	6300	59.0	62.7	63.2	64.2	64.3	65.8	66.3	67.8	68.4	69.4	70.4	71.4	72.4	73.4	74.4	75.4	76.4	77.4	78.4	79.4	80.4	81.4	82.4	83.4	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	127.3
DIAMETER RATIO	8000	57.2	59.1	60.1	60.7	61.3	61.1	62.4	62.8	63.6	64.5	65.4	66.3	67.2	68.1	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	126.8	
DF/DH-8.00	10000	57.0	57.5	58.1	59.1	59.7	58.4	58.6	61.5	66.9	68.8	67.1	67.1	65.8	67.7	69.2	70.7	72.2	73.7	75.2	76.7	78.2	79.7	81.2	82.7	84.2	85.7	87.2	88.7	90.2	91.7	93.2	94.7	96.2	97.7	129.2
OVERALL CALCULATED	95.0	97.9	98.4	98.6	99.8	99.9	100.8	101.5	102.5	103.6	104.6	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	156.0	
PWDB																																				156.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

	FREQ.	LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)										REL. HUM. DAY		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
REV. ALPHA-12/73	50	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)
NO BGA	83	51.1	51.6	57.3	57.7	59.9	60.7	61.7	62.8	63.3	64.4	62.2	67.7	68.6
SIDELINE 2400. FT.	80	51.6	55.2	58.0	57.8	59.7	61.3	63.0	63.4	64.2	64.2	64.9	70.2	69.4
(731.52 M)	100	53.5	57.1	58.9	60.4	62.4	62.3	63.6	65.0	65.1	64.2	65.1	68.1	68.1
NFA 0. RPM	125	54.5	55.7	59.4	60.2	62.3	63.9	65.0	66.1	65.9	67.4	66.4	67.2	65.5
(-- 0. RAD/SEC)	160	53.4	57.1	59.1	60.2	61.9	63.3	65.2	65.6	65.6	66.8	67.4	67.6	65.4
NFK 0. RPM	200	53.0	56.4	58.5	60.3	62.4	63.8	64.2	64.9	64.9	65.6	67.0	66.4	62.6
(0. RAD/SEC)	250	54.2	56.3	57.7	60.8	62.2	63.0	63.3	64.0	64.4	64.3	65.1	65.7	60.3
NFD 0. RPM	315	52.6	55.7	58.2	58.4	60.1	61.6	62.6	63.6	63.3	63.8	63.5	64.1	58.2
(0. RAD/SEC)	400	50.1	54.5	56.5	58.2	59.9	61.1	61.7	62.1	62.1	63.1	63.1	62.2	56.3
AIRFLOW RATIO	500	47.8	53.3	55.1	57.2	59.2	60.6	60.8	61.5	61.6	62.0	61.9	59.9	52.5
WF/WB 8.00	630	46.8	52.8	54.7	56.1	57.4	59.7	60.9	61.4	61.7	61.2	60.5	58.6	51.6
VEHICLE JENOTS	800	45.4	52.6	55.0	57.1	58.1	59.2	59.8	60.6	60.3	60.4	59.6	57.5	50.2
CONFIG JE*056	1000	43.7	52.0	54.0	56.8	58.8	59.2	58.8	59.8	59.8	59.4	59.3	57.2	48.6
LOC EVENDALE	1250	41.6	50.2	53.1	54.4	57.0	57.8	57.6	58.2	59.1	58.6	58.8	55.5	48.8
DATE 04-22-75	1600	37.0	46.3	49.6	51.5	54.3	54.8	55.3	56.2	55.2	55.5	55.5	52.0	42.5
RUN DBTF-MODEL 2	2000	32.2	41.7	45.3	47.7	51.0	51.3	52.9	52.4	52.7	52.2	50.7	46.2	36.5
TAPE X20420	3150	24.9	35.6	40.2	43.3	46.1	46.4	47.8	48.3	48.3	47.5	45.4	39.8	29.6
FAN TIP SPEED	4000	15.8	28.2	33.8	37.4	39.8	40.9	42.1	42.8	43.3	41.4	37.6	31.4	20.7
FT/SEC	5000	-2.1	17.1	23.5	28.1	30.8	33.6	34.4	35.4	35.0	33.6	28.9	21.0	-8.2
	6300		10.5	18.0	23.3	26.1	27.1	28.0	29.2	29.6	27.5	21.6	13.3	0.2
	8000			4.1	10.3	14.5	16.2	17.1	17.9	18.8	17.2	10.7		
	10000						1.1	2.1	4.1	7.0	4.1			
OVERALL CALCULATED		63.3	66.8	69.3	70.5	72.4	73.5	74.6	75.3	75.5	76.1	76.3	77.6	76.0
PND8		64.2	69.4	72.1	74.0	76.2	77.2	78.0	78.7	78.7	79.1	78.9	78.2	78.3

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																REL. HUM. DAY - JENOTS				PWL
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	210.	220.	230.
REV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.31)	(3.49)	(3.66)	(3.84)	(4.01)
NO EGA	83	74.7	73.2	71.8	70.3	68.8	67.3	65.8	64.3	62.8	61.3	59.8	58.3	56.8	55.3	53.8	52.3	50.8	49.3	47.8	46.3	44.8
RDG, NO, 0	80	75.8	77.2	78.7	79.2	79.7	79.2	78.7	77.2	75.8	74.3	72.8	71.3	69.8	68.3	66.8	65.3	63.8	62.3	60.8	59.3	57.8
RADIAL 320, FY.	100	77.2	78.4	79.6	80.8	81.0	80.8	80.6	80.4	80.2	80.0	79.8	79.6	79.4	79.2	79.0	78.8	78.6	78.4	78.2	78.0	77.8
(98, 4)	125	78.1	77.1	75.9	74.7	73.5	72.3	71.1	69.9	68.7	67.5	66.3	65.1	63.9	62.7	61.5	60.3	59.1	57.9	56.7	55.5	54.3
VEHICLE JENOTS	160	77.5	77.7	77.9	78.1	78.3	78.5	78.7	78.9	79.1	79.3	79.5	79.7	79.9	80.1	80.3	80.5	80.7	80.9	81.1	81.3	81.5
CONFIG JENOTS	200	77.3	79.0	79.7	79.8	80.1	80.4	80.7	81.0	81.3	81.6	81.9	82.2	82.5	82.8	83.1	83.4	83.7	84.0	84.3	84.6	84.9
LCC EVENDALE	250	78.9	78.4	78.3	80.4	80.8	81.4	81.7	81.9	82.5	83.2	83.8	84.5	85.0	85.6	86.3	86.9	87.6	88.3	88.9	89.6	90.3
DATE 04-22-75	315	77.9	78.9	79.6	78.8	78.9	80.0	80.8	81.5	82.1	83.1	84.1	85.0	85.8	86.7	87.6	88.5	89.4	90.3	91.2	92.1	93.0
RUN DBTF-MODEL 2	400	75.7	77.8	78.1	78.8	79.5	80.2	80.4	80.8	81.4	82.7	84.0	85.5	87.0	88.4	89.8	91.2	92.6	94.0	95.4	96.8	98.2
TAPE X20430	500	74.1	77.1	77.4	78.0	78.8	79.8	80.3	81.6	81.5	82.9	83.7	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0
BAR 29.9 HG	630	74.7	77.7	77.6	78.3	79.0	79.8	80.8	81.7	82.8	83.2	84.4	84.8	85.8	86.8	87.8	88.8	89.8	90.8	91.8	92.8	93.8
(01039, N/H2)	800	74.4	79.2	79.1	79.5	80.3	81.3	81.3	82.3	82.9	83.3	84.2	84.6	85.6	86.6	87.6	88.6	89.6	90.6	91.6	92.6	93.6
TAMB 59, DEG F	1000	74.8	79.6	79.7	80.6	81.6	82.2	81.3	83.1	83.6	84.8	84.8	83.8	81.0	81.0	80.7	79.1	78.1	77.1	76.1	75.1	74.1
(288, DEG K)	1250	73.9	79.1	80.6	80.2	81.4	82.3	82.2	83.0	83.8	84.6	86.1	84.2	80.1	80.1	79.2	78.1	77.1	76.1	75.1	74.1	73.1
TKET 53, DEG F	1600	71.7	78.0	78.9	79.3	81.0	81.2	81.5	82.1	82.3	83.9	85.3	83.0	79.2	79.1	78.1	77.1	76.1	75.1	74.1	73.1	72.1
(285, DEG K)	2000	70.1	75.9	76.4	76.7	78.8	79.1	79.5	80.7	80.7	81.6	83.0	80.4	77.6	76.2	75.0	73.3	72.5	71.5	70.5	69.5	68.5
WACT 8.91 GH/H3	2500	67.2	73.8	74.0	75.3	75.8	76.7	77.1	78.1	79.0	79.5	79.4	77.7	75.0	74.3	73.5	72.5	71.5	70.5	69.5	68.5	67.5
(00891 KG/H3)	3150	64.6	70.5	72.3	72.6	73.4	74.6	75.0	76.3	76.8	77.6	76.8	75.2	72.5	73.5	73.5	72.5	71.5	70.5	69.5	68.5	67.5
FREQ. SHIFT	4000	61.2	66.8	68.1	69.5	69.6	71.4	72.0	73.9	73.3	75.0	73.9	72.0	69.6	71.2	73.4	73.4	72.5	71.5	70.5	69.5	68.5
JET - 9	5000	59.7	64.4	66.2	66.5	67.3	67.6	68.0	70.2	71.1	71.6	70.1	68.5	66.9	71.9	73.7	73.7	72.8	71.8	70.8	69.8	68.8
DIAMETER RATIO	6300	57.2	62.1	62.6	63.7	63.6	64.6	65.1	68.3	68.1	68.5	68.2	67.2	65.5	74.1	74.1	73.5	72.5	71.5	70.5	69.5	68.5
DF/DH - 8.00	8000	57.3	59.2	59.9	61.4	61.4	60.9	61.6	68.0	66.9	67.1	67.6	67.3	66.0	76.6	76.6	75.8	74.8	73.8	72.8	71.8	70.8
OVERALL CALCULATED	10000	58.3	57.6	57.7	58.9	60.2	59.3	59.6	69.8	67.7	67.7	69.0	69.5	68.0	78.4	78.4	77.8	76.8	75.8	74.8	73.8	72.8
PND8		95.2	99.3	100.1	100.6	101.7	102.3	102.7	104.1	104.5	105.5	106.4	106.0	103.8	104.2							

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	180.	190.
REV. ALPHA 12/73		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.14)
NO EGA	50	50.8	51.6	58.5	57.0	59.4	60.7	61.7	62.3	63.6	64.4	61.5	67.4	68.6	64.3		
SIDELINE 2400 FT	63	50.9	54.4	57.7	57.3	59.5	61.0	63.0	63.6	64.2	64.2	64.9	69.7	68.6	65.6		
(731.52 M)	80	51.8	55.5	58.6	58.2	60.7	61.1	63.9	64.0	63.4	63.9	64.3	67.8	67.1	65.2		
NFA 0. RPM	100	53.0	56.6	58.4	59.6	61.4	61.8	62.9	64.7	63.9	66.6	67.0	68.2	66.5	64.7		
(0. RAD/SEC)	125	53.7	55.2	58.9	59.5	61.3	62.9	64.5	64.8	65.4	66.7	65.6	66.4	63.5	60.4		
NFK 0. RPM	160	52.9	55.6	58.6	59.7	61.4	62.8	63.9	65.1	64.9	66.1	66.4	67.4	63.6	57.3		
(0. RAD/SEC)	200	52.5	56.7	59.0	60.3	62.4	63.3	63.9	64.3	64.2	64.8	65.7	65.4	60.8	54.2		
NFD 0. RPM	250	53.7	55.8	57.5	60.8	61.9	63.0	62.8	63.5	63.7	63.5	64.1	64.5	59.0	52.6		
(0. RAD/SEC)	315	52.3	56.0	58.5	58.9	59.9	61.4	62.3	62.9	63.0	63.3	63.0	62.9	57.2	49.4		
AIRFLOW RATIO	400	49.6	54.5	56.7	58.7	60.1	61.4	61.7	61.9	62.1	62.6	62.6	62.2	56.1	48.8		
WF/WH 8.00	500	47.3	53.3	55.6	57.5	59.2	60.6	61.3	62.4	61.8	62.3	61.9	60.2	54.0	47.3		
	630	47.1	53.3	55.2	57.3	58.9	60.2	61.4	62.2	62.7	62.2	62.0	60.4	53.4	47.1		
	800	45.6	53.9	56.0	57.9	59.6	61.2	61.3	62.1	62.3	61.7	61.1	59.2	52.7	45.8		
VEHICLE - JENOTS	1000	44.7	53.3	55.7	58.3	60.3	61.4	60.8	62.3	62.3	62.4	60.8	57.5	50.9	44.3		
CCNFIC JE#056	1250	42.1	51.5	55.6	56.9	59.2	60.8	60.8	61.4	61.6	61.3	61.1	56.5	48.3	41.3		
LOC EVENDALB	1600	37.5	48.5	52.3	54.7	57.6	58.5	59.0	59.4	58.9	59.3	58.8	53.5	45.0	36.3		
DATE 04-22-75	2000	32.9	44.2	48.0	50.5	54.0	55.1	55.7	56.7	55.9	55.5	54.7	48.7	40.5	29.1		
RUN DBTF-MODEL 2	2500	25.9	38.9	43.0	46.8	48.9	50.7	51.3	52.1	52.1	51.0	48.4	42.8	33.6	20.8		
TARE X20430	3150	16.5	30.5	37.0	40.4	43.1	45.4	46.1	47.1	46.5	45.4	41.6	35.2	24.5	10.0		
FAN TIP SPEED	4000	3.1	19.1	26.5	31.8	34.3	37.4	38.4	39.9	38.0	37.3	32.4	24.3	11.4			
FT/SEC	5000		12.3	21.0	25.6	29.1	30.8	31.8	33.4	32.8	30.7	24.8	16.3	2.9			
	6300			6.6	13.3	16.8	19.7	20.9	23.4	21.3	18.2	12.2	1.9				
	8000				1.4	3.6	5.1	10.6	7.0	2.3							
OVERALL CALCULATED	10000	62.8	66.6	69.5	70.6	72.5	73.7	74.6	75.3	75.7	76.0	75.8	77.1	75.3	71.8		
PND8		64.0	69.9	73.4	75.5	77.9	79.2	79.8	80.5	80.4	80.5	79.8	78.1	72.8	67.3		

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
REV. ALPHA 12/73 - FREQ	50	93.1	53.9	58.3	58.7	60.7	61.2	63.4	65.3	67.8	69.4	68.0	73.7	74.4	70.8			
NO EGA	83	93.9	56.4	58.7	58.5	60.2	61.8	63.8	64.6	66.4	67.0	68.1	74.2	74.1	69.1			
SIDELINE 2400 FT.	80	55.0	57.2	59.3	59.2	61.2	61.9	64.9	65.2	67.1	66.7	68.8	72.6	72.6	70.7			
(73.52 M)	100	54.3	57.6	59.7	60.4	62.4	62.8	64.4	66.2	67.8	69.1	70.7	72.2	71.0	68.9			
NFA 0. RPM	125	55.2	56.4	60.4	60.7	62.1	64.2	65.8	67.1	67.9	69.9	69.9	70.2	68.5	64.9			
(0. RAD/SEC)	160	54.2	57.1	59.1	60.5	62.7	63.6	65.4	67.1	67.6	69.3	70.9	71.4	67.4	60.6			
NFK 0. RPM	200	53.0	56.9	59.0	60.5	62.4	64.3	65.4	66.0	66.7	67.8	70.0	69.4	64.8	58.0			
(0. RAD/SEC)	250	53.7	55.8	57.5	60.6	62.4	63.8	64.1	65.5	66.2	67.3	68.4	68.2	62.3	55.8			
NFD 0. RPM	315	52.1	55.5	57.7	58.4	60.6	61.9	63.1	63.9	65.3	66.0	67.0	66.1	59.7	52.9			
(0. RAD/SEC)	400	50.1	54.7	56.7	58.7	60.6	61.6	61.9	63.1	64.1	65.6	64.9	64.2	58.1	50.3			
AIRFLOW RATIO	500	47.6	53.1	55.1	57.2	59.2	60.6	61.8	62.4	63.1	64.1	63.6	61.4	54.5	47.0			
WF/KH 8.00	630	46.3	52.0	54.2	56.3	57.9	60.2	60.9	61.9	63.0	63.5	62.3	60.4	52.4	44.4			
	800	45.1	51.4	53.8	55.4	57.6	59.5	59.8	60.9	61.8	61.9	61.1	58.2	50.7	42.3			
VEHICLE JENOTS	1000	42.7	49.5	52.7	55.0	57.5	58.2	58.5	60.1	60.3	60.7	59.6	56.2	47.9	39.3			
CONFIG JE#056	1250	40.4	48.7	51.9	53.7	55.7	57.3	57.3	58.9	58.9	58.8	58.6	54.8	45.8	36.0			
LOC EVENDALE	1600	36.5	45.3	48.8	51.0	53.6	54.8	55.5	56.2	56.7	56.8	55.0	50.7	42.5	32.3			
DATE 04-22-75	2000	31.9	41.4	45.3	47.2	50.8	52.3	53.2	53.7	53.9	52.7	51.2	46.7	36.5	24.0			
RUN DBTF-MODEL-2	2500	24.9	36.1	40.2	43.3	46.1	47.7	48.8	50.1	50.3	48.5	46.2	40.8	30.6	17.6			
TARE X20440	3150	16.8	29.0	34.3	38.2	42.6	42.6	43.4	44.8	44.5	42.9	39.1	33.9	24.2	7.8			
FAN-TIP-SPEED	4000	3.6	18.3	25.0	29.1	33.3	35.1	36.4	37.7	36.7	35.3	30.4	24.0	18.4				
FT/SEC	5000		11.5	19.0	24.1	27.1	29.8	30.5	31.9	31.6	29.5	23.6	18.5					
	6300			9.8	12.1	15.8	20.5	21.1	22.9	20.5	19.4	11.5	7.7					
	8000					1.2	7.8	9.1	10.6	8.0	5.3							
	10000																	
OVERALL CALCULATED		64.0	67.0	69.5	70.6	72.5	73.8	75.2	76.3	77.5	78.6	79.4	81.3	80.2	76.6			
PNDB		64.1	69.4	72.1	74.0	76.4	77.7	78.9	79.7	80.5	81.3	81.5	80.7	78.0	70.8			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (40. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
REV. ALPHA 12/73		FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	(0.0)	(0.0)	(0.0)	PWL
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	
NO EGA		50	78.7	77.2	80.8	79.4	80.7	81.0	83.4	85.3	88.3	91.6	91.0	97.8	101.2	100.9				151.4
RCG, NO. 0		83	79.3	79.8	79.8	78.5	80.0	80.9	82.5	84.0	85.9	86.9	89.7	97.6	99.6	98.1				149.8
RADIAL 320, FY.		80	80.3	79.7	80.2	79.2	80.7	80.8	83.4	84.6	86.7	87.7	91.2	97.1	98.9	100.8				150.3
(98. M)		100	79.7	80.4	80.4	80.5	81.3	81.8	83.4	85.4	87.3	89.5	92.2	95.8	96.2	99.0				149.2
VEHICLE JENOTS		125	80.3	78.6	80.5	80.7	81.3	82.9	84.7	85.8	87.4	90.3	92.2	94.7	94.9	95.2				148.1
CONFIG JEM056		160	79.2	79.2	80.6	80.5	81.5	82.4	84.4	85.9	86.7	90.1	92.6	95.2	93.4	90.7				147.6
LOC EVENDALE		200	78.1	80.0	79.9	81.0	81.3	82.5	84.5	85.0	86.6	88.8	92.1	92.2	90.9	88.0				146.2
DAYE 04-22-75		250	78.9	78.4	79.1	80.9	81.7	82.9	83.3	84.9	86.3	87.9	91.0	91.5	88.6	86.1				145.3
RUN DBTF-MODEL 2		315	77.6	78.6	79.3	78.8	80.2	81.5	82.5	84.0	85.3	87.4	88.8	90.2	86.0	83.0				143.9
TAPE X20460		400	76.2	77.5	78.4	78.8	80.2	80.9	81.6	82.7	84.4	86.7	87.8	88.2	84.7	81.7				142.9
BAR 29.9 HG		500	74.4	76.6	77.4	78.0	79.1	80.3	80.8	82.4	83.2	85.6	86.2	85.5	81.5	78.9				141.5
{01039, N/42}		630	73.9	76.0	76.8	77.3	78.2	79.3	80.5	82.0	83.5	85.2	85.7	84.6	80.0	77.8				141.0
TAMB 59, DEG F		800	73.6	76.7	76.9	77.7	78.7	79.8	80.8	81.7	82.6	84.0	84.2	83.5	79.4	77.4				140.5
(288, DEG K)		1000	72.1	75.9	76.4	77.4	78.9	79.9	79.8	80.8	82.1	83.5	83.0	81.8	78.5	77.2				139.8
TWET 53, DEG F		1250	71.7	75.4	76.1	77.2	78.4	79.0	79.7	80.7	81.8	82.8	83.8	80.9	77.1	76.0				139.6
(285, DEG K)		1600	69.2	73.8	74.6	75.3	77.5	77.5	78.5	79.4	80.3	81.4	80.8	79.5	75.7	75.4				138.2
HACT 8.91 GH/M3		2000	67.1	71.7	72.7	72.7	75.6	75.4	76.5	77.5	78.5	79.4	78.3	76.6	73.1	72.0				136.3
{100891 KG/M3}		2500	64.1	68.4	69.6	70.4	72.4	72.8	73.9	75.5	76.8	76.8	76.2	74.2	71.3	70.6				134.2
FREQ. SHIFT		3150	61.8	66.7	67.5	68.3	69.6	70.1	71.7	73.5	74.5	74.3	73.5	72.9	72.0	71.7				132.6
JET 9		4000	58.3	63.9	63.9	65.1	66.0	67.5	68.6	70.8	70.9	71.9	70.0	70.9	70.4	70.1				130.5
DIAMETER RATIO		5000	56.8	61.5	61.8	62.8	63.6	63.4	65.9	67.0	67.9	69.2	67.4	70.6	70.8	71.8				128.9
BF/DK--8.00		6300	55.5	59.2	58.9	60.2	60.2	60.5	64.5	66.7	65.9	68.8	66.8	73.3	72.9	73.5				130.4
OVERALL CALCULATED		8000	55.1	57.6	57.2	58.7	58.5	58.2	65.2	67.8	65.7	70.6	67.4	75.9	74.8	75.9				134.0
PNDB		10000	55.7	56.8	56.4	58.4	58.1	58.0	67.5	69.0	67.1	72.6	69.7	78.0	77.7	78.2				138.7
			89.6	90.3	91.1	91.3	92.4	93.3	94.7	96.0	97.6	99.8	101.7	105.2	106.3	106.5				158.8
			94.5	96.9	97.7	98.3	99.8	100.3	101.8	103.1	104.2	105.8	106.7	108.1	107.0	107.1				160.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
REV. ALPHA 12/73	FREQ.	50	54.8	55.6	60.8	60.5	62.4	63.2	65.9	67.5	70.1	72.6	71.0	76.2	79.4	73.6		
NO FGA	63	55.4	58.2	59.7	59.5	61.7	63.0	64.8	66.1	67.7	68.0	69.6	76.0	75.6	70.6			
SIDELINE 2400. FT.	80	56.3	58.0	60.1	60.2	62.4	62.9	65.6	66.7	68.4	68.7	71.1	75.3	74.9	73.2			
(731.52 M)	100	55.5	58.6	60.2	61.4	62.9	63.8	65.6	67.4	68.9	70.4	72.0	73.9	72.0	71.2			
NFA 0. RPM	125	56.0	56.7	60.2	61.5	62.8	64.9	66.8	67.8	68.7	71.2	71.9	72.7	70.5	67.2			
(0. RAD/SEC)	160	54.7	57.1	60.1	61.2	62.9	64.3	66.4	67.8	68.1	70.8	72.1	73.1	68.9	62.3			
NFK 0. RPM	200	53.3	57.7	59.3	61.5	62.7	64.3	66.4	66.8	67.9	69.3	71.5	69.9	66.1	59.2			
(0. RAD/SEC)	250	53.7	55.8	58.2	61.3	62.9	64.5	65.1	66.5	67.4	68.3	70.1	69.0	63.5	56.8			
NFD 0. RPM	313	52.0	55.7	58.2	58.9	61.1	62.9	64.1	65.4	66.3	67.5	67.7	67.4	60.4	53.2			
(0. RAD/SEC)	400	53.0	54.2	56.9	58.6	60.9	62.1	62.9	63.9	65.1	66.5	66.3	64.9	58.6	51.1			
AIRFLOW RATIO	500	47.6	52.8	55.6	57.5	59.4	61.1	61.8	63.2	63.6	65.1	64.4	61.7	54.7	47.3			
WF/WM - 3.00	630	46.3	51.5	54.4	56.3	58.2	59.7	61.1	62.4	63.4	64.2	63.3	60.1	52.3	44.8			
	800	44.8	51.3	53.7	56.1	58.1	59.7	60.8	61.6	62.0	62.4	61.1	58.2	50.7	42.8			
VEHICLE - JENOTS	1000	42.0	49.5	52.4	55.0	57.5	59.2	59.2	60.0	60.8	61.1	59.1	55.5	48.4	40.6			
CONFIG JEM056	1250	39.9	47.7	51.1	53.9	56.2	57.5	58.3	59.2	59.6	59.5	58.8	53.3	45.3	36.8			
LOC EVENDALE	1600	35.0	44.3	48.1	50.7	54.1	54.8	56.0	56.7	56.9	56.8	54.3	50.0	41.5	32.5			
DATE 04-22-75	2000	30.0	40.0	44.3	46.5	50.8	51.3	52.7	53.5	53.7	53.3	50.0	44.9	36.0	24.9			
RUN DBTF-MODEL 2	2500	22.7	33.5	38.6	41.9	45.5	46.8	48.2	49.4	49.9	48.3	45.3	39.3	30.0	17.8			
TAPE X20460	3150	13.7	26.7	32.3	36.2	39.3	40.9	42.9	44.3	44.2	42.1	38.3	32.9	24.0	8.2			
FAN-TIP SPEED	4000	0.2	16.2	22.4	27.5	30.7	33.5	35.0	36.8	35.6	34.2	28.5	23.2	12.3				
FT/SEC	5000		9.3	16.5	21.9	25.4	26.7	29.6	30.3	29.7	28.3	22.2	18.4	6.8				
	6300			2.9	9.9	13.4	15.6	20.2	21.8	19.1	18.5	10.8	8.0					
	8000						0.9	8.7	10.4	5.8	5.9							
	10000																	
OVERALL CALCULATED		64.8	67.5	70.1	71.3	73.2	74.5	76.2	77.4	78.6	80.2	81.0	83.2	82.2	78.9			
PND8		64.1	69.0	72.2	74.2	76.5	77.9	79.3	80.4	81.3	82.3	82.6	82.0	77.3	72.9			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY -- JENOTS)

PROC. DATE - MONTH 4 DAY 30 HR; 15:0

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL			
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	(0,0°)	(0,0°)	(0,0°)	(0,0°)
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0,0°)	(0,0°)	(0,0°)	(0,0°)
	50	78,4	76,9	83,3	79,2	80,2	80,5	82,8	85,1	87,6	90,6	89,8	96,3	99,7	99,6						150,2
	83	78,6	79,1	79,3	78,0	79,0	80,6	82,5	83,5	85,2	86,9	89,5	87,4	96,3	96,8						149,4
REG. NO. 0	80	79,1	79,5	80,0	78,7	79,5	80,3	82,4	84,1	85,9	87,5	90,0	95,6	97,9	98,1						148,9
RADIAL 320, FT.	100	78,7	79,7	79,9	80,0	80,8	81,3	82,4	85,1	86,5	89,3	91,7	95,0	96,0	97,5						148,4
(98, M)	125	79,1	78,4	80,0	79,9	80,8	82,4	84,2	85,6	86,9	89,6	91,0	92,9	92,4	92,2						146,6
VEHICLE JENOTS	160	78,0	78,9	80,1	80,0	80,7	82,2	83,7	84,9	86,2	88,9	91,3	94,0	94,2	88,7						146,4
CONFIG JE#056	200	77,6	79,2	80,2	80,0	81,6	82,5	83,5	84,8	86,1	88,0	90,9	91,5	88,9	85,5						145,2
LOC EVENDALE	250	78,9	78,4	79,3	81,7	82,0	82,6	82,8	84,4	85,5	86,9	90,0	90,5	87,1	84,1						144,5
DATE 04-22-75	315	77,1	78,4	80,3	79,0	80,2	80,7	82,5	83,7	84,6	86,4	88,1	89,7	84,7	81,5						143,3
RLN DB/F-MODEL 2	400	76,2	78,8	79,6	80,3	80,7	81,2	82,1	83,2	84,2	86,2	87,6	88,2	84,9	81,0						142,9
TARE X20470	500	74,6	77,6	78,7	79,5	80,3	81,0	81,8	83,1	84,0	85,6	86,7	86,7	83,2	80,4						142,2
BAR 29,9 HG	630	74,9	78,0	78,6	79,5	80,5	81,3	82,7	84,2	84,8	86,2	87,4	87,3	83,7	81,8						142,9
601039, N/M2)	800	75,6	78,9	79,1	80,5	81,5	82,6	83,0	84,7	85,4	86,3	87,2	87,3	84,7	82,7						143,4
TAMB 59, DEG F	1000	75,1	79,6	80,1	80,4	81,9	83,4	83,8	85,3	85,6	87,0	86,3	86,8	84,5	83,5						143,7
(288, DEG K)	1250	74,2	79,6	80,6	81,2	82,9	83,5	83,9	85,2	86,3	87,0	87,6	85,9	83,9	83,5						144,2
TKET 53, DEG F	1600	72,2	78,5	80,4	80,1	82,0	82,7	83,8	84,6	84,8	85,7	86,3	85,0	83,2	82,1						143,3
(285, DEG K)	2000	70,6	77,2	78,2	78,5	80,9	81,4	82,3	83,5	83,5	84,2	84,3	83,4	80,9	79,5						142,0
HACT 8,91 GM/M3	2500	67,6	74,6	75,1	76,4	78,1	78,3	79,4	80,5	81,6	82,1	82,2	80,0	78,3	76,8						139,7
(100891 KG/M3)	3150	65,0	72,0	73,5	73,8	76,1	76,1	77,0	78,3	79,3	79,6	79,5	77,7	76,3	74,5						137,8
FREQ. SHIFT	4000	61,3	68,4	69,4	69,6	72,0	73,0	74,1	75,5	75,9	76,6	76,5	74,9	73,4	72,1						135,4
JET 9	5000	59,6	66,0	66,5	67,3	68,6	69,2	69,9	72,0	73,2	73,5	74,9	72,8	71,8	72,0						133,1
DIAMETER RATIO	6300	57,0	62,7	63,7	63,7	64,2	66,7	67,5	69,9	69,7	71,3	74,6	73,8	72,4	74,0						133,0
DF/DH - 8,00	8000	55,6	59,8	60,2	60,7	60,7	65,5	66,5	69,3	68,0	71,1	76,7	75,6	74,3	76,2						135,7
	10000	56,0	57,8	57,9	57,9	59,4	67,5	67,5	70,2	67,9	73,4	78,7	78,2	76,5	78,2						140,2
OVERALL CALCULATED		89,3	91,2	92,5	92,4	93,6	94,4	95,5	97,0	98,1	100,0	101,5	104,5	105,4	104,8						158,5
PND8		95,7	100,2	101,4	101,6	103,3	104,1	105,1	106,5	107,1	108,3	109,3	109,5	107,8	107,3						159,8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM., DAY)

REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	170'	180'
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)
NO EGA	50	34.6	34.9	33.3	30.2	26.9	22.7	17.2	10.6	5.3	1.6	0.7	0.3	0.1	0.0	0.0	0.0
SIDELINE 2400' FT?	60	34.6	37.4	39.2	39.0	36.7	32.8	28.8	24.6	20.4	16.2	12.0	8.8	6.4	4.7	3.4	2.3
--- (734.52 M) ---	80	35.0	37.7	39.8	39.7	37.4	33.4	29.4	25.2	21.0	16.8	12.6	9.4	7.0	5.3	4.0	2.9
NFA 0. RPM	100	34.5	37.8	39.7	39.9	37.6	33.6	29.6	25.4	21.2	17.0	12.8	9.6	7.2	5.5	4.2	3.1
--- (0. RAD/SEC) ---	125	34.7	38.4	39.7	40.7	38.3	34.3	30.3	26.1	21.9	17.7	13.5	10.3	7.9	6.2	4.9	3.7
NFK 0. RPM	160	33.4	36.8	38.6	39.7	37.2	33.2	29.2	25.0	20.8	16.6	12.4	9.2	6.9	5.2	4.0	2.9
--- (0. RAD/SEC) ---	200	32.8	36.9	38.5	39.5	37.0	33.0	29.0	24.8	20.6	16.4	12.2	9.0	6.7	5.0	3.8	2.7
NFD 0. RPM	250	33.7	35.8	38.5	39.5	37.0	33.0	29.0	24.8	20.6	16.4	12.2	9.0	6.7	5.0	3.8	2.7
--- (0. RAD/SEC) ---	315	31.5	35.5	38.2	39.2	36.7	32.7	28.7	24.5	20.3	16.1	11.9	8.7	6.4	4.9	3.7	2.6
AIRFLOW RATIO	400	30.0	35.5	38.2	39.2	36.7	32.7	28.7	24.5	20.3	16.1	11.9	8.7	6.4	4.9	3.7	2.6
WF/WM 8.00	500	47.8	53.8	56.8	59.0	60.7	61.8	62.8	64.0	64.3	65.1	64.9	62.9	56.5	48.8	40.8	32.8
	630	47.3	53.5	56.2	58.6	60.4	61.7	63.3	64.7	64.7	65.2	65.0	62.9	56.1	48.8	40.8	32.8
	800	46.8	53.6	56.0	58.8	60.8	62.3	63.1	64.6	64.7	64.7	64.1	62.0	55.9	48.0	40.0	32.0
VEHICLE --- JENOTS	1000	45.0	53.3	56.2	58.0	60.5	62.7	63.2	64.5	64.3	64.6	62.3	60.4	54.4	46.8	39.3	31.8
CONFIG JEN056	1250	42.4	52.0	55.6	57.9	60.7	62.0	62.6	63.7	64.1	64.3	62.5	58.3	52.1	44.3	36.8	29.3
LOG EVENDALE	1600	38.0	49.0	53.8	55.5	58.6	60.0	61.3	61.9	61.4	61.1	59.8	55.5	49.0	43.3	37.8	32.4
DATE 04-22-75	2000	33.5	45.5	49.8	52.3	56.1	57.3	58.5	59.5	58.7	58.0	56.0	51.7	43.8	37.0	32.4	27.9
RUN DBTF-MOBL 2	2500	26.2	39.7	44.1	47.9	51.2	52.3	53.7	54.4	54.7	53.6	51.3	45.1	37.0	32.0	27.9	23.9
TARE X20470	3150	17.0	32.0	38.3	41.7	45.8	46.9	48.1	49.0	49.0	47.4	44.3	37.6	28.2	21.0	17.0	13.0
FAN-TIP SPEED	4000	3.2	20.7	27.9	32.0	36.7	39.0	40.5	41.5	40.6	38.9	35.0	27.2	15.3	8.5	4.5	2.5
FT/SEC	5000		13.8	21.3	26.4	30.4	32.4	33.6	35.3	34.9	32.6	29.7	20.6	7.8			
	6300			7.7	13.4	17.4	21.8	23.2	25.0	22.9	21.0	18.5	8.5				
	8000					0.8	8.1	9.9	11.9	8.0	6.4	4.1					
	10000																
OVERALL CALCULATED		64.1	67.6	70.9	71.8	73.6	75.0	76.4	77.8	78.6	79.8	80.3	82.3	81.2	77.1		
RNDS		64.4	70.7	74.6	76.5	79.2	80.6	81.9	83.0	83.1	83.3	83.1	82.2	79.6	72.8		

- FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59: DEG. F, 70 PERCENT REL. HUM., DAY = JENOTS) -

		ANGLES FROM INLET IN DEGREES, (AND RADIANS)																PWL		
REV. ALPHA 12/73		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	(0°)	(0°)	(0°)
	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)			
	30	80,7	78,7	82,6	80,7	81,9	82,7	84,8	86,6	90,1	92,8	93,3	100,5	103,5	102,9					153,6
	83	82,8	81,8	82,6	80,5	81,2	82,9	84,7	86,2	87,2	89,4	92,5	99,9	102,3	100,6					152,3
	80	82,6	82,5	82,2	81,0	82,5	82,8	84,9	86,6	88,9	89,7	94,2	100,3	102,2	102,3					152,9
	100	82,2	82,4	82,9	82,3	83,3	83,5	84,9	87,6	89,3	92,0	94,7	98,8	99,5	102,5					152,1
	125	82,8	81,6	82,5	82,2	83,3	84,7	86,2	87,6	89,6	92,1	94,7	97,2	98,1	98,2					150,6
	160	81,5	81,4	82,4	82,5	83,2	84,7	86,2	87,9	89,2	92,1	95,3	98,0	95,9	94,4					150,2
	200	80,3	82,0	82,2	82,3	83,6	85,0	86,0	87,3	88,6	91,3	94,1	94,7	92,9	91,2					148,4
	250	80,9	80,9	80,8	82,9	84,2	84,6	85,6	86,4	88,5	90,9	93,0	93,8	90,9	89,1					147,6
	315	79,1	80,6	81,1	81,3	81,7	82,7	84,8	85,7	87,8	89,4	91,1	92,2	88,0	85,8					146,0
	400	77,7	80,0	80,4	80,8	81,7	82,7	84,1	85,5	86,7	89,0	89,8	90,5	86,9	84,0					145,1
	500	75,9	78,6	79,2	80,3	80,8	82,3	83,1	84,9	86,0	88,3	87,7	87,7	84,0	80,9					143,7
	630	75,4	78,5	78,1	79,0	80,5	81,5	83,0	84,5	86,3	87,9	87,9	86,6	82,7	80,3					143,4
	800	75,4	77,9	78,9	79,2	80,7	81,8	82,5	84,5	85,4	87,5	86,7	85,5	81,9	79,2					142,9
	1000	73,8	78,1	78,9	79,1	80,8	82,2	82,1	83,8	85,1	85,7	85,3	84,3	81,0	79,2					142,2
	1250	73,2	77,6	78,6	79,4	80,4	81,0	81,4	83,2	84,6	86,1	85,3	83,2	79,6	78,2					142,0
	1600	70,7	76,0	77,4	77,8	79,2	80,0	81,3	81,6	83,1	83,9	84,1	81,3	78,0	76,6					140,7
	2000	69,1	73,7	74,9	75,0	77,9	78,2	79,8	80,5	81,5	82,2	81,1	79,1	75,6	73,7					139,0
	2500	66,6	71,1	71,8	72,6	74,9	74,8	76,9	77,7	79,6	79,1	79,0	76,2	74,0	72,1					136,7
	3150	63,3	69,0	70,0	70,3	71,6	72,1	74,2	75,8	76,8	77,1	76,5	74,2	72,8	72,2					134,8
	4000	60,4	65,6	65,9	66,6	67,7	69,8	70,8	73,0	73,2	73,9	74,5	71,6	71,4	70,6					132,7
	5000	57,8	63,3	63,5	64,1	64,9	65,4	67,4	69,5	70,4	71,0	73,4	70,3	71,0	71,8					130,8
	6300	56,5	60,2	60,2	61,5	61,4	62,2	65,5	67,9	67,4	70,3	74,6	72,0	72,9	73,7					131,9
	8000	55,4	58,1	58,0	59,4	61,0	59,0	65,7	68,3	67,0	71,1	76,9	74,4	75,6	76,7					135,5
	10000	56,2	57,3	56,6	58,1	59,6	58,2	67,8	70,5	67,4	73,6	78,7	77,0	78,0	78,4					140,1
	OVERALL-CALCULATED	91,9	92,5	93,2	93,1	94,3	95,2	96,6	98,1	99,9	102,0	104,1	107,9	109,0	108,9					161,2
	PND8	96,5	99,1	100,0	100,3	101,8	102,5	104,2	105,5	106,7	108,2	109,5	110,3	109,5	109,6					162,5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	(0.)	(0.)
REV. ALPHA-12/73	FREQ.	50	56.8	57.1	62.5	61.7	63.7	64.9	67.2	68.8	71.8	73.9	73.2	78.9	79.6	75.6				
NO EGA	63	58.9	60.2	62.5	61.5	63.0	65.0	67.0	68.4	68.9	70.5	72.4	78.2	78.4	73.1					
SIDELINE 2400. FT.	80	58.5	60.7	62.1	61.9	64.2	64.9	67.1	68.7	70.6	70.7	74.1	78.6	78.1	74.7					
(731.52 M)	100	58.0	60.6	62.7	63.1	64.9	65.6	67.1	69.7	70.9	72.9	74.5	76.9	75.3	74.7					
NFA 0. RPM	125	58.5	59.7	62.2	63.0	64.8	66.7	68.3	69.6	71.2	72.9	74.4	75.2	73.8	70.2					
(- 0. RAD/SEC)	160	56.9	59.3	61.9	63.2	64.7	66.6	68.2	69.8	70.6	72.8	74.9	75.9	71.4	66.1					
NFK 0. RPM	200	55.5	59.7	61.5	62.8	64.9	66.8	67.9	69.0	70.2	71.8	73.5	72.4	68.1	62.5					
(- 0. RAD/SEC)	250	55.7	58.3	60.0	63.3	65.4	66.3	67.3	68.0	69.7	71.3	72.1	71.2	65.8	59.8					
NFD 0. RPM	315	53.5	57.7	60.0	61.1	62.6	64.1	66.3	67.1	68.8	69.5	70.0	69.4	62.4	55.9					
(- 0. RAD/SEC)	400	51.5	56.7	58.9	60.6	62.4	63.8	65.4	66.6	67.3	68.8	68.3	67.2	60.8	53.3					
AIRFLOW RATIO	500	49.1	54.8	57.3	59.5	61.2	63.1	64.0	65.7	66.3	67.8	65.9	63.9	57.2	49.3					
WF/WM -8.00-	630	47.8	54.0	55.7	58.1	60.4	62.0	63.6	64.9	66.2	67.0	65.5	62.1	55.1	47.3					
	800	46.6	52.6	55.7	57.6	60.1	61.7	62.6	64.4	64.7	65.4	63.6	60.2	53.2	44.5					
VEHICLE - JENOTS	1000	43.7	51.8	54.9	56.8	59.5	61.4	61.8	63.0	63.8	63.4	61.3	58.0	50.9	42.6					
CONFIG JE#056	1250	41.4	50.0	53.6	56.2	58.2	59.5	60.1	61.7	62.4	62.8	60.3	55.5	47.8	39.0					
LOC EVENDALE	1600	36.5	46.5	50.8	53.2	55.8	57.3	58.8	58.9	59.7	59.3	57.5	51.8	43.7	33.8					
DATE 04-22-75	2000	32.0	42.0	46.6	48.8	53.1	54.1	56.0	56.5	56.7	56.0	52.7	47.4	38.5	26.6					
RUN DBTF-MODEL-2	2500	25.2	36.2	40.8	44.1	48.0	48.8	51.2	51.7	52.7	50.6	48.0	41.3	32.7	18.7					
TARE X20480	3150	25.2	29.0	34.8	38.2	41.3	42.9	45.4	46.5	46.5	44.9	41.3	34.1	24.7	8.7					
FAN-TIP-SPEED	4000	1.9	17.9	24.4	29.0	32.4	35.8	37.3	39.0	37.9	36.2	33.0	23.9	13.3						
FT/SEC	5000		11.1	18.3	23.2	26.7	28.7	31.1	32.8	32.2	30.1	28.2	18.1	7.0						
	6300			4.2	11.2	14.6	17.3	21.2	23.0	20.6	20.0	18.0	6.7							
	8000					0.0	1.6	9.2	10.9	7.0	6.4	4.3								
OVERALL CALCULATED	10000	87.1	69.7	72.2	73.1	75.0	76.5	78.0	79.5	80.8	82.3	83.4	85.9	84.9	81.2					
PND8		66.3	71.5	74.3	76.2	78.6	80.0	81.6	82.9	83.8	84.9	85.1	84.8	80.6	76.5					

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHLI	
REV.	ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	PHLI
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	
			82.4	80.5	83.1	82.7	83.9	84.2	86.6	87.8	91.1	94.6	95.3	102.3	104.7	103.4	103.4	103.4	154.9
	NO EGA	50	86.1	85.6	85.3	83.5	84.5	84.6	87.0	89.0	90.2	92.7	95.7	104.4	106.3	102.8	102.8	102.8	156.1
REG. NO.	0.	80	86.3	85.7	85.5	84.0	85.0	85.0	87.6	89.6	91.7	93.5	98.0	104.1	105.9	105.1	105.1	105.1	156.4
RADIAL 320, FT.	100	100	86.0	85.9	86.4	85.3	86.0	86.3	87.4	90.4	91.5	94.3	98.5	102.3	103.7	103.7	103.7	103.7	155.5
(98. M)	125	125	86.8	84.9	85.8	85.1	86.3	87.4	89.4	90.6	92.1	95.6	98.5	100.2	101.4	102.2	102.2	102.2	154.0
VEHICLE	JENOTS	180	84.5	84.4	85.1	85.8	86.7	87.7	89.4	91.2	92.4	95.6	99.3	101.2	99.2	98.9	98.9	98.9	153.7
CONFIG	JEP056	200	82.8	84.7	84.9	85.0	86.6	88.0	89.3	90.2	92.1	94.3	97.9	98.0	99.4	99.4	96.4	96.4	152.0
LCC	EVENDALE	250	84.1	83.6	83.6	85.4	86.8	87.9	88.6	90.1	91.8	93.7	96.7	97.0	95.6	94.8	94.8	94.8	151.1
DATE	04-22-75	315	81.9	83.4	83.8	83.3	84.9	86.0	87.8	89.1	91.1	93.9	94.3	95.8	92.5	90.9	89.9	89.9	149.6
RUN	DBTF-MODEL 2	400	80.2	82.5	82.9	83.8	84.2	86.0	87.4	88.8	90.2	93.0	93.5	94.2	90.9	89.9	89.9	89.9	148.7
TAPE	X20490	500	78.4	80.6	81.4	82.3	83.6	85.3	86.3	87.9	89.7	91.6	91.5	91.2	89.7	85.7	85.7	85.7	147.1
BAR	29.9 HG	630	78.0	80.0	80.1	81.3	82.8	84.1	86.0	87.7	89.8	91.2	90.9	89.6	86.2	82.8	82.8	82.8	146.5
(01039, N/M2)	800	800	76.6	79.4	79.6	81.0	82.8	84.3	86.8	88.5	89.4	89.6	89.2	88.1	84.0	80.2	80.2	80.2	145.2
TAMB	59, DEG F	1000	75.8	79.1	79.2	80.4	82.1	83.4	84.1	86.3	87.4	88.5	88.0	86.6	82.0	78.7	78.7	78.7	144.4
(288, DEG K)	1250	1250	74.4	77.9	78.6	79.4	81.4	82.3	83.2	85.0	86.8	87.3	87.1	84.9	80.4	76.5	76.5	76.5	143.5
THET	53, DEG F	1600	73.2	76.5	77.4	78.3	80.2	80.4	82.0	83.9	85.3	86.4	85.3	83.2	77.9	75.3	75.3	75.3	142.3
(285, DEG K)	2000	2000	70.8	74.1	75.6	76.2	78.8	79.1	80.2	82.5	83.7	84.4	83.8	81.1	75.6	72.4	72.4	72.4	140.8
MACT	8.91 GM/M3	2500	68.2	72.3	73.2	74.0	75.8	77.0	78.3	79.9	82.2	82.5	81.9	78.9	73.7	71.5	71.5	71.5	139.0
(.00891 KG/M3)	3150	3150	66.3	69.8	71.0	71.9	73.6	74.6	76.3	78.0	80.0	80.2	79.0	76.4	73.3	72.0	72.0	72.0	137.3
FREQ. SHIFT	4000	4000	63.0	67.3	67.6	69.0	69.8	71.9	73.5	75.6	77.5	77.8	76.9	73.8	71.8	70.7	70.7	70.7	135.5
JET	9	5000	62.2	65.7	65.7	67.2	67.8	69.1	69.8	72.2	75.1	73.6	74.8	72.7	71.4	70.4	70.4	70.4	133.7
DIAMETER RATIO	6300	6300	63.4	64.6	64.4	65.7	66.1	66.6	67.4	69.8	74.1	76.0	75.0	74.7	73.0	74.1	74.1	74.1	134.7
DF/DH	8.00	8000	65.0	65.0	64.6	66.1	66.7	65.9	66.6	70.0	75.2	78.6	76.6	76.8	75.5	76.6	76.6	76.6	138.3
OVERALL-CALCULATED	10000	10000	67.3	65.9	65.4	66.9	68.2	67.8	68.1	70.5	76.7	80.9	78.2	78.7	78.2	78.9	78.9	78.9	142.8
PNDB	99.7	99.7	95.0	95.2	95.6	95.6	96.8	97.8	98.3	101.1	102.7	105.1	107.6	111.2	112.3	111.6	111.6	111.6	164.3
			99.7	101.0	101.6	102.2	103.9	104.7	106.0	108.0	109.9	111.5	112.5	113.3	112.4	112.1	112.1	112.1	165.6

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)
REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.
NO EGA	50	58.6	58.9	63.0	63.7	68.7	68.4	68.9	70.0	72.8	75.6	75.2	80.7	80.9	76.1	76.1	76.1	76.1
SIDELINE 2400. FT.	80	62.3	64.0	65.3	64.9	66.7	67.1	69.9	71.7	73.4	74.4	77.8	82.3	81.9	77.5	77.5	77.5	77.5
(731.52 M)	100	61.8	64.1	66.2	66.1	67.6	68.3	69.6	72.4	73.2	75.1	78.2	80.4	79.5	77.7	77.7	77.7	77.7
NFA 0. RPM	125	62.5	62.9	65.4	66.0	67.8	69.4	71.5	72.6	73.7	76.4	78.1	78.2	77.0	74.1	74.1	74.1	74.1
(- 0. RAD/SEC)	160	59.9	62.3	64.6	66.5	68.2	69.6	71.4	73.1	73.9	76.3	78.9	79.1	74.6	70.6	70.6	70.6	70.6
NFK 0. RPM	200	58.0	62.4	64.3	65.5	67.9	69.8	71.2	72.3	73.4	74.8	77.2	75.7	72.6	68.0	68.0	68.0	68.0
(- 0. RAD/SEC)	250	59.0	61.0	62.7	65.8	67.9	69.5	70.3	71.7	72.9	74.0	75.9	74.5	70.5	65.6	65.6	65.6	65.6
NFD 0. RPM	315	56.3	60.5	62.7	63.4	65.9	67.4	69.3	71.1	72.0	74.0	73.2	72.9	68.9	60.9	60.9	60.9	60.9
(- 0. RAD/SEC)	400	54.1	59.2	61.5	63.7	64.9	67.1	68.7	69.9	70.8	72.8	72.1	70.9	64.8	58.8	58.8	58.8	58.8
AIRFLOW RATIO	500	51.6	56.8	59.6	61.7	63.9	66.1	67.3	68.7	70.1	71.0	69.6	67.4	61.0	54.0	54.0	54.0	54.0
WF/WM - 8.00	630	50.3	55.5	57.7	60.3	62.7	64.5	66.6	68.2	69.7	70.2	68.5	65.1	58.6	49.9	49.9	49.9	49.9
	800	47.9	54.1	56.5	59.4	62.1	64.2	64.8	66.4	67.8	67.9	66.1	62.7	55.2	45.6	45.6	45.6	45.6
VEHICLE - JENOTS	1050	45.7	52.8	55.2	58.0	60.8	62.7	63.5	65.6	66.0	66.2	64.1	60.2	51.9	42.1	42.1	42.1	42.1
CONFIG JE#056	1250	42.6	50.2	53.6	56.2	59.2	60.8	61.8	63.4	64.6	64.1	62.1	57.3	48.6	37.8	37.8	37.8	37.8
LOC EVENDALE	1600	39.0	47.0	50.8	53.7	56.8	57.8	59.5	61.2	61.9	61.8	58.8	53.7	43.7	32.5	32.5	32.5	32.5
DATE 04-22-75	2000	33.7	42.4	47.3	50.0	54.0	55.1	56.4	58.4	58.9	58.2	55.4	49.4	38.5	25.3	25.3	25.3	25.3
RUN DBTF-MODEL 2	2500	26.9	37.4	42.2	45.5	48.9	50.9	52.6	53.8	55.3	54.0	50.9	44.0	32.4	18.1	18.1	18.1	18.1
TAPE X20490	3150	18.3	29.7	35.8	39.7	43.3	45.4	47.4	48.8	49.8	47.9	43.8	36.4	25.2	8.5	8.5	8.5	8.5
FAN-TIP-SPEED	4000	4.8	19.6	26.0	31.3	34.5	37.9	39.9	41.7	42.2	40.1	35.4	26.0	13.7	7.4	7.4	7.4	7.4
FT/SEC	5000		13.5	20.5	26.3	29.6	32.3	33.5	35.4	36.8	34.7	29.6	20.5					
	6300			8.3	15.3	19.3	21.7	23.1	24.9	27.3	25.7	19.0	9.4					
	8000				1.4	6.7	8.6	10.1	12.6	15.2	13.8	4.0						
	10000																	
OVERALL CALCULATED		70.3	72.6	74.7	75.7	77.7	79.1	80.8	82.4	83.6	85.4	86.9	89.3	88.2	83.8	83.8	83.8	83.8
PND8		69.4	73.8	76.5	78.7	81.0	82.8	84.4	85.9	87.0	88.3	88.7	88.1	84.8	80.2	80.2	80.2	80.2

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0. 0. 0. PNL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)			
REV. ALPHA 12/73	FREQ.	50	81.9	65.0	81.1	81.9	82.4	82.0	85.3	87.1	90.6	94.8	95.3	101.3	103.7	102.9	154.2			
NO EGA		63	85.3	69.6	84.1	81.5	82.5	83.1	86.0	88.0	90.2	93.2	96.0	103.9	106.1	102.1	155.7			
REG. NO. 0.	80	85.8	69.5	84.5	82.7	83.7	83.8	86.4	88.1	91.4	94.0	97.7	102.6	104.7	103.8	155.3				
RADIAL 320, FT.	100	85.0	69.2	84.4	84.3	84.8	84.5	86.4	89.4	91.5	95.0	98.0	101.8	102.7	104.2	154.7				
(98. M)	125	85.1	68.4	85.3	84.9	84.5	85.4	87.7	89.3	91.9	95.3	97.5	99.4	99.6	99.9	152.8				
VEHICLE JENOTS	160	83.2	68.2	84.1	84.0	84.7	85.4	87.9	89.7	92.2	95.4	97.8	100.7	98.7	97.2	152.8				
CCNFIO JE-056	200	82.3	68.5	83.9	84.0	84.8	85.7	87.8	89.0	91.3	94.0	97.1	97.7	96.4	94.2	151.1				
LCC EYE DALE	250	82.8	67.3	82.3	84.4	85.7	86.1	86.3	88.8	91.0	93.4	95.9	96.0	94.3	93.0	150.0				
DATE 04-22-75	315	80.8	67.0	83.0	81.9	83.3	83.9	85.7	87.9	90.5	92.8	94.0	94.4	90.9	89.0	148.5				
RLN DBTF-MODEL 2	400	79.3	66.4	81.5	82.5	83.1	83.8	85.0	86.6	89.3	91.7	92.7	92.9	89.6	88.9	147.4				
TAPE X20500	500	77.7	65.2	80.5	81.1	82.4	83.1	84.4	86.2	88.8	90.9	91.0	89.5	85.8	84.5	145.9				
BAR 29.9 HG	630	77.0	64.8	79.8	80.6	81.8	82.8	84.8	86.3	88.8	90.7	90.2	89.4	84.5	81.8	145.6				
(01039, N/42)	800	76.0	64.6	80.3	80.6	81.9	83.2	83.9	85.9	88.6	89.7	89.7	87.7	83.9	81.1	145.1				
TAMB 59, DEG F	1000	75.6	64.4	80.2	81.1	82.1	83.0	83.4	85.3	87.1	88.8	87.8	86.1	82.3	80.5	144.1				
(288, DEG K)	1250	74.5	64.2	80.0	80.6	81.5	82.7	83.3	85.3	87.2	88.8	86.9	84.5	81.5	80.3	143.8				
TKET 53, DEG F	1600	72.5	63.5	79.4	79.6	81.0	81.5	82.5	84.1	85.3	86.9	86.6	83.5	80.2	78.4	142.9				
(285, DEG K)	2000	69.8	61.3	76.6	77.4	79.3	79.6	80.7	82.7	83.7	84.4	83.5	81.1	78.1	75.2	140.9				
HACT 8.91 GM/M3	2500	66.9	59.0	73.7	74.8	77.0	77.0	78.1	79.6	82.0	82.5	81.1	78.1	74.9	72.2	138.8				
4.03891 KG/M3	3150	63.4	58.9	71.4	72.5	73.3	74.0	75.4	77.2	78.9	80.0	77.9	75.3	73.2	70.6	136.5				
FREQ. SHIFT	4000	59.7	56.7	67.5	68.5	69.8	71.1	72.9	74.1	74.7	76.7	75.6	73.0	71.3	68.4	134.0				
JET 9	5000	57.0	58.2	65.7	66.2	66.8	67.1	68.0	70.7	71.5	76.8	72.5	71.7	70.4	69.9	132.5				
DIA.ETER RATIO	6300	55.4	60.3	62.8	64.1	64.0	64.6	65.4	68.0	68.6	82.4	73.4	73.4	71.8	71.4	136.3				
DF/DM 8.00	8000	55.7	62.6	62.5	64.2	64.3	63.5	64.5	67.3	66.0	85.2	75.2	75.9	74.1	74.7	140.6				
	10000	56.7	63.8	62.9	65.1	65.4	65.5	66.3	68.2	65.7	81.7	77.2	77.7	76.2	76.9	141.7				
OVERALL CALCULATED		94.0	79.6	94.7	94.7	95.6	96.2	97.9	99.8	102.3	105.1	107.0	110.4	111.4	110.3	163.5				
PND8		98.1	87.6	101.8	102.2	103.4	103.9	105.3	107.2	109.0	111.7	111.8	112.6	111.5	111.1	164.8				

PROC. DATE = MONTH 5 DAY 3 HR. 15:6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV. ALPHA 12/73	FREQ.	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)
NO EGA	50	58.1	43.4	61.0	63.0	64.2	64.2	67.7	69.3	72.3	75.9	75.2	79.7	79.9	75.6		
SIDELINE 2400' FT?	63	61.4	47.9	64.0	62.5	64.2	65.3	68.3	70.1	71.9	74.2	75.9	82.2	82.1	74.6		
(731.52 M)	80	61.8	47.7	64.3	63.7	65.4	65.9	68.6	70.2	73.1	74.9	77.6	80.8	80.6	76.2		
NFA	100	60.8	47.3	64.2	65.1	66.4	66.6	68.6	71.4	73.2	75.9	77.7	79.9	78.5	76.4		
0. RPM	125	60.7	46.4	64.9	65.7	66.1	67.4	69.8	71.3	73.4	76.1	77.1	77.4	75.3	71.9		
(0. RAD/SEC)	160	58.7	46.0	63.6	64.7	66.2	67.3	69.9	71.6	73.6	76.1	77.4	78.6	74.1	68.8		
NFK	200	57.5	46.1	63.3	64.5	66.1	67.5	69.7	70.7	72.6	74.5	76.4	75.4	71.5	65.5		
(0. RAD/SEC)	250	57.7	44.7	61.4	64.8	66.9	67.7	68.0	70.4	72.1	73.7	75.1	73.4	69.2	63.8		
NFD	315	55.2	44.1	61.9	62.1	64.3	65.3	67.2	69.3	71.5	72.9	72.9	71.5	65.3	59.1		
(0. RAD/SEC)	400	53.2	43.1	60.1	62.3	63.8	65.0	66.3	67.8	70.0	71.7	71.2	69.6	63.5	58.2		
AIRFLOW RATIO	500	50.9	41.4	58.6	60.5	62.7	63.9	65.4	67.0	69.1	70.4	69.2	65.7	59.0	52.8		
WF/KM 8.00	630	49.4	40.3	57.5	59.6	61.7	63.2	65.4	66.7	68.7	69.7	67.8	64.9	56.9	48.9		
	800	47.3	39.3	57.2	59.0	61.3	63.1	64.0	65.8	67.9	68.1	66.5	62.4	55.1	46.5		
VEHICLE JENOTS	1000	45.5	38.0	56.2	58.8	60.8	62.2	62.8	64.6	65.8	66.4	63.8	59.7	52.2	43.9		
CONFIG JE7056	1250	42.7	36.6	55.0	57.3	59.3	61.1	61.9	63.8	65.0	64.9	61.9	56.9	49.7	41.1		
LCC EVENDALE	1600	38.3	34.0	52.8	55.0	57.6	58.8	60.1	61.4	61.9	62.3	60.0	54.0	46.0	35.5		
DATE 04-22-75	2000	32.7	29.6	48.2	51.2	54.5	55.5	56.9	58.6	58.9	58.2	55.2	49.4	41.0	28.0		
RUN DBTF-MODEL 2	2500	25.6	24.1	42.7	46.3	50.1	50.9	52.3	53.6	55.1	54.0	50.1	43.2	33.6	18.8		
TAPE X20500	3150	25.4	18.9	36.2	40.3	43.0	44.8	46.5	47.9	48.6	47.8	42.7	35.3	25.1	7.2		
FAN TIP SPEED	4000	1.5	9.0	26.0	30.8	34.5	37.1	38.3	40.1	39.4	39.0	34.0	25.2	13.1			
FT/SEC	5000		6.0	20.4	25.3	28.6	30.3	31.7	33.9	33.3	35.9	27.3	19.5	6.4			
	6300			6.8	13.8	17.2	19.7	21.1	23.2	21.8	32.1	17.4	8.1				
	8000					4.3	6.2	8.0	10.0	6.1	20.4	2.6					
	10000																
OVERALL CALCULATED		69.4	56.5	73.7	74.7	76.3	77.3	79.3	81.1	83.2	85.3	86.3	88.4	87.3	82.6		
PND		58.3	57.2	75.9	77.9	80.1	81.3	82.8	84.6	86.4	87.9	88.0	87.4	83.8	78.8		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG, F, 70 PERCENT REL, 15.0 DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180			
REV, ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0.0)	(0.0)	(0.0)
NO EGA	50	82.2	80.2	85.6	82.4	83.4	84.0	86.3	87.8	91.1	93.8	94.5	100.8	104.0	102.1			154.0		
RDG, NO	60	84.3	84.1	84.1	82.3	84.0	85.1	86.7	88.2	90.2	91.9	95.7	103.1	105.6	101.3			155.1		
RADIAL 320, FY	100	83.7	83.9	84.4	84.0	85.0	85.0	86.9	89.1	90.8	94.0	97.7	101.8	102.2	103.5			154.3		
(98, M)	125	84.1	82.9	83.8	83.7	84.8	86.2	88.2	89.3	91.4	93.8	97.0	98.7	98.8	98.2			152.0		
VEHICLE JENOTS	160	82.5	83.2	84.4	83.8	84.7	85.9	87.7	89.4	90.9	94.4	97.8	99.7	95.9	95.7			151.9		
CONFIG JENOTS	200	81.3	83.0	83.9	84.0	85.1	86.2	88.3	89.0	90.6	93.3	95.8	96.5	98.4	91.2			150.0		
LOC EVENDALE	250	81.9	82.6	82.5	85.2	86.2	86.6	86.5	88.6	90.7	92.4	94.9	95.0	94.6	90.0			149.2		
DATE 04-22-75	315	80.8	82.6	83.5	83.0	83.6	85.2	86.5	88.2	89.6	92.1	93.0	93.5	89.2	86.5			147.9		
RUN DBTF-MODEL 2	400	79.6	81.2	82.6	83.0	83.9	84.7	85.6	87.7	88.9	90.9	92.0	92.2	87.4	85.2			147.0		
TAPE X20510	500	78.0	80.8	82.1	82.7	83.5	84.7	85.7	87.1	88.7	90.3	90.7	90.4	88.9	83.4			146.2		
BAR 29.9 HG	630	77.9	81.1	82.2	82.7	83.6	84.7	86.1	87.6	89.2	91.1	90.8	90.0	87.4	85.0			146.6		
(01039, N/M2)	800	78.0	81.5	82.5	83.3	84.6	86.7	86.4	87.9	89.3	91.2	90.8	90.4	88.1	85.6			147.1		
TAMB 59, DEG F	1000	77.9	82.2	83.0	83.9	85.4	86.8	86.9	88.6	89.4	90.6	90.6	90.9	88.6	86.8			147.3		
(288, DEG K)	1250	77.7	82.4	83.9	84.7	85.9	86.8	87.2	89.0	90.1	91.4	89.3	89.7	88.6	87.5			147.6		
THET 53, DEG F	1600	75.7	81.8	83.6	84.1	86.0	87.0	87.3	88.1	88.8	90.9	89.6	89.3	88.0	86.1			147.3		
(285, DEG K)	2000	74.1	79.9	81.4	82.0	84.9	85.1	86.3	87.5	88.0	88.4	87.8	87.9	85.9	84.0			146.0		
HACT 8.91 GM/M3	2500	71.3	78.1	79.1	80.1	81.6	81.8	83.2	85.0	86.6	86.1	85.5	85.0	82.8	80.3			143.8		
(00891 KG/M3)	3150	68.6	75.8	77.0	78.4	78.9	80.6	80.5	82.5	83.3	83.8	82.6	82.2	80.6	77.8			141.7		
FREQ, SHIFT	4000	64.7	72.3	73.3	74.8	75.6	76.9	78.2	80.2	79.8	81.3	79.7	79.0	77.6	74.5			139.5		
JET -9	5000	63.2	69.9	70.9	72.7	73.3	73.6	74.8	76.9	77.6	78.6	77.3	75.7	75.2	73.9			137.2		
DIAMETER RATIO	6300	59.7	67.9	68.4	69.4	70.1	70.6	71.6	73.6	73.6	77.2	76.7	75.7	75.3	74.7			136.5		
DF/DH -8.00	8000	57.8	66.7	66.6	68.1	68.4	67.9	68.4	71.5	71.2	78.8	77.6	76.8	76.5	76.6			138.5		
OVERALL CALCULATED	10000	56.6	66.2	65.5	67.0	68.5	68.1	68.4	71.1	68.5	80.8	79.1	79.3	78.3	78.8			142.6		
PNDB		93.6	94.9	96.0	96.0	97.3	98.3	99.4	101.0	102.6	104.7	106.7	110.1	111.1	109.3			163.4		
		99.4	103.8	105.0	105.5	107.2	107.9	108.9	110.5	111.6	113.1	113.2	113.9	112.9	111.8			164.7		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F., 70 PERCENT REL. HUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)
REV. ALPHA 12/73	FREQ.	50	58.3	58.6	65.3	63.5	65.2	66.2	68.7	70.0	72.8	74.9	74.5	79.2	80.1	74.8	
---	NO EGA	63	60.4	62.4	64.0	63.3	65.7	67.3	69.0	70.4	71.9	73.0	75.6	81.5	81.6	73.9	
SIDELINE 2400' FT.	80	60.3	62.0	63.8	63.9	65.9	67.1	69.1	71.2	72.9	73.2	77.1	81.1	80.9	74.5		
(731.52 M)	100	59.5	62.1	64.2	64.9	66.6	67.1	69.1	71.2	72.4	74.9	77.5	79.9	78.0	75.7		
NFA 0. RPM	125	59.7	60.9	63.4	64.5	66.3	68.2	70.3	71.3	72.9	74.7	76.6	76.7	74.5	70.1		
(0. RAD/SEC)	160	57.9	61.1	63.9	64.5	66.2	67.8	69.7	71.3	72.4	75.1	77.4	77.6	71.4	67.3		
NFK 0. RPM	200	56.5	60.7	63.3	64.5	66.4	68.0	70.2	70.8	71.9	73.8	75.2	74.1	68.6	62.5		
(-0. RAD/SEC)	250	56.7	60.0	61.7	65.5	67.4	68.2	68.3	70.2	71.9	72.8	74.1	72.5	66.5	60.8		
NFD 0. RPM	315	55.3	59.7	62.4	63.1	64.6	66.6	68.0	69.6	70.5	72.2	71.9	70.6	63.6	56.7		
(0. RAD/SEC)	400	53.5	57.9	61.1	62.9	64.6	65.8	66.9	68.8	69.5	70.8	70.5	68.9	61.3	54.5		
AIRFLOW RATIO	500	51.3	57.0	60.2	62.1	63.8	65.5	66.7	67.9	69.0	69.7	68.8	66.6	60.1	51.7		
WF/KM- 8.00	600	50.2	56.7	59.8	61.7	63.6	65.1	66.7	68.1	69.1	70.1	68.4	65.5	59.8	52.0		
	800	49.2	56.2	59.4	61.7	64.0	66.6	66.4	67.7	68.6	69.5	67.7	65.1	59.3	50.9		
VEHICLE -- JENOTS	1000	47.8	55.8	59.0	61.6	64.1	66.0	66.3	67.9	68.1	68.2	66.6	64.5	58.4	50.1		
CONFIG JE*056	1250	45.9	54.7	58.9	61.4	63.7	65.3	65.8	67.4	67.9	68.1	64.3	62.0	56.8	48.3		
LOC EYENDALE	1600	41.5	52.3	57.1	59.5	62.6	64.3	64.8	65.4	65.4	66.3	63.0	59.8	53.7	43.3		
DATE 04-22-75	2000	37.0	48.2	53.1	55.8	60.1	61.1	62.4	63.4	63.2	62.3	59.5	56.2	48.8	36.8		
RUN DBTF=MODEL 2	2500	30.0	43.2	48.1	51.6	54.7	55.8	57.4	58.9	59.7	57.6	54.5	50.1	41.5	26.9		
TARE X20510	3150	20.5	35.7	41.8	46.2	48.6	51.4	51.6	53.3	53.0	51.7	47.3	42.2	32.5	14.3		
FAN TIP SPEED	4000	6.6	24.6	31.8	37.1	40.3	42.9	44.7	46.2	44.5	43.6	38.1	31.3	19.4			
FT/SEC	5000		17.7	25.7	31.8	35.1	36.8	38.5	40.2	39.3	37.7	32.1	23.5	11.2			
	6300		2.6	12.3	19.1	23.3	25.7	27.4	28.7	26.8	26.9	20.7	10.4				
	8000				3.4	8.4	10.6	11.9	14.1	11.2	14.1	5.0					
	10000																
OVERALL CALCULATED		68.6	71.5	74.4	75.4	77.4	78.9	80.3	81.8	83.1	84.5	85.9	88.0	88.9	81.4		
PNDB		68.3	74.2	78.2	80.4	83.1	84.7	85.8	87.0	87.6	88.4	88.1	87.8	85.9	78.1		

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE - MONTH 5 DAY 1 HR: 9:7
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY, JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
		(0,92)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,		
REV. ALPHA 12/73	FREQ.	50	92,2	89,7	91,8	92,7	93,9	94,2	95,3	96,8	100,1	103,6	105,0	112,3	115,7	111,4				164,9
		63	95,3	95,6	95,1	93,3	94,2	95,9	97,0	99,0	100,4	103,2	107,0	114,9	116,3	114,1				166,9
NO EGA		80	98,1	96,2	95,5	94,2	95,0	95,5	97,4	98,9	101,4	104,0	108,5	114,8	118,2	114,8				167,5
RDG. NO. 0,		100	95,7	95,7	95,9	96,0	96,5	96,5	97,9	100,6	102,0	109,5	109,2	113,5	115,0	115,5				166,4
RADIAL 320, FT,		125	96,3	94,1	95,0	94,9	95,8	96,9	98,2	99,8	102,4	106,6	108,5	110,9	112,4	111,2				164,3
(98. 4)		160	94,0	94,4	94,6	94,8	95,7	97,2	98,4	100,4	101,7	109,6	108,8	110,7	108,9	107,4				163,2
VEHICLE JENOTS		200	92,8	94,2	94,2	94,5	96,1	97,5	98,8	100,0	101,8	105,0	107,6	107,7	106,4	105,0				161,6
CONFIG JE-056		250	93,1	93,3	93,0	95,9	96,2	97,6	98,0	99,8	101,5	104,1	106,2	106,5	105,1	103,0				160,7
LOC EVENDALE		315	91,8	93,3	94,5	94,2	95,1	96,7	98,5	99,4	101,6	104,1	104,3	105,2	102,9	100,8				159,7
DATE 04-22-75		400	91,6	94,0	94,8	95,3	95,9	97,6	98,1	99,4	101,6	103,9	104,2	105,2	102,6	100,7				159,8
RUN DBTF=MODEL 2		500	90,3	93,3	94,1	94,9	96,2	97,7	98,5	100,0	102,1	104,0	104,1	104,4	102,1	99,9				159,8
TAPE X20520		630	91,1	94,1	94,2	95,7	96,4	98,2	99,6	101,1	103,4	104,1	105,1	106,0	103,4	100,9				160,9
BAR 29.9 HG		800	91,4	94,3	95,2	96,1	97,1	99,9	99,8	102,1	103,2	105,6	106,1	107,4	105,0	102,5				161,9
(D1039, N/M2)		1000	91,8	95,1	95,9	97,1	98,6	100,2	100,1	102,1	103,6	104,5	106,3	107,8	105,8	104,3				162,3
YAMB 59, DEG F		1250	92,9	96,3	97,1	98,4	98,9	99,8	100,4	102,7	105,0	107,8	106,0	107,9	105,8	104,4				162,8
(288, DEG K)		1600	92,7	99,0	99,8	99,3	100,2	100,4	101,0	102,1	103,2	105,3	105,5	106,7	105,1	103,3				162,8
THEY 53, DEG F		2000	92,3	100,3	101,3	100,4	100,1	99,8	100,2	101,7	102,2	104,4	103,5	104,8	103,1	101,2				161,7
(285, DEG K)		2500	90,0	98,1	99,3	100,1	99,8	99,0	98,9	99,9	100,6	100,8	101,7	102,2	100,5	98,3				160,3
HACT 8.91 GM/M3		3150	86,6	93,8	95,5	96,9	97,6	97,4	96,8	97,0	98,5	98,8	99,0	99,4	98,5	95,8				158,2
(.00891 KG/M3)		4000	83,0	90,8	91,9	92,6	92,4	93,9	93,7	94,4	95,1	96,5	96,4	96,8	96,6	92,8				155,9
FREQ. SHIF		5000	81,0	88,0	89,2	90,5	89,6	89,9	90,1	90,7	93,8	93,9	93,8	94,0	95,0	91,7				153,7
JET 9		6300	80,1	84,8	86,3	86,8	87,0	86,8	87,1	88,3	92,3	93,9	93,2	93,9	93,2	91,6				153,7
DIAMETER RATIO		8000	82,0	83,4	84,3	85,0	85,1	84,3	84,8	86,9	92,6	96,3	94,1	94,3	93,7	93,0				155,9
DF/DH 8.00		10000	82,7	83,6	82,9	84,1	84,9	84,5	85,1	86,8	93,4	98,2	95,2	96,2	95,5	94,7				159,9
OVERALL CALCULATED		PNDB	108,2	108,6	109,3	109,6	110,2	111,0	111,7	113,3	115,1	117,5	119,1	122,8	123,7	121,6				176,2
			115,3	120,6	121,5	122,1	122,3	122,5	122,8	124,0	125,6	127,2	127,8	129,3	129,3	126,3				177,5

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV, ALPHA 12/73	FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,
NO EGA	50	68,3	68,1	71,9	73,7	75,7	76,4	77,7	79,0	81,8	84,6	85,0	90,7	91,9	84,1			
SIDELINE 2400, FT;	63	71,4	73,9	75,0	74,3	76,0	78,0	79,3	81,1	82,2	84,2	86,9	93,2	92,4	86,6			
(731.52 M)	80	74,0	74,5	75,3	75,2	76,7	77,6	79,6	81,0	83,1	84,9	88,3	93,1	94,1	87,2			
NFA 0, RPM	100	71,5	73,8	75,7	76,9	78,1	78,6	80,1	82,7	83,7	87,4	89,0	91,7	90,8	87,7			
(0, RAD/SEC)	125	72,0	72,2	74,7	75,7	77,3	78,9	80,3	81,8	83,9	87,4	88,1	89,0	88,0	83,2			
NFK 0, RPM	160	69,4	72,3	74,1	75,5	77,2	79,1	80,4	82,3	83,1	86,3	88,4	88,6	84,4	79,1			
(0, RAD/SEC)	200	68,0	71,9	73,5	75,0	77,4	79,3	80,7	81,8	83,2	85,5	87,0	85,4	81,6	76,2			
(0, RAD/SEC)	250	68,0	70,8	72,2	76,3	77,4	79,2	79,8	81,5	82,7	84,5	85,4	84,0	80,0	73,8			
MFD 0, RPM	315	66,3	70,4	73,4	74,4	76,1	78,1	80,0	80,8	82,5	84,2	83,2	82,3	77,4	70,9			
(0, RAD/SEC)	400	65,5	70,6	73,4	75,1	76,6	78,8	79,4	80,6	82,3	83,7	82,8	81,9	76,5	70,0			
AIRFLOW RATIO	500	63,5	69,5	72,2	74,4	76,6	78,5	79,5	80,9	82,5	83,5	82,3	80,6	75,4	68,2			
WF/WM 8,00	630	63,5	69,6	71,8	74,7	76,3	78,6	80,2	81,5	83,3	84,1	82,7	81,5	75,7	68,0			
	800	62,7	68,9	72,1	74,4	76,4	79,8	79,9	82,0	82,6	84,0	83,0	82,1	76,3	67,9			
VEHICLE JENOTS	1000	61,7	68,8	72,0	74,8	77,3	79,5	79,5	81,3	82,3	83,2	82,3	81,5	75,6	67,6			
CONFIG JE-056	1250	61,1	68,7	72,1	75,1	76,7	78,2	79,0	81,1	82,9	82,5	81,0	80,2	74,0	65,2			
LDC EVENDALE	1600	58,4	69,5	73,3	74,7	76,8	77,7	78,5	79,4	79,9	80,7	79,0	77,2	70,9	60,5			
DATE 04-22-75	2000	55,2	68,6	73,0	74,2	75,3	75,8	76,4	77,6	77,4	77,2	75,2	73,1	66,0	54,0			
RUN DBT=MODEL 2	2500	48,7	63,2	68,3	71,6	72,9	73,0	73,1	73,9	73,6	72,3	70,7	67,3	59,2	44,9			
TAPE X20520	3150	38,5	53,7	60,3	64,7	67,3	68,1	67,9	67,8	68,3	66,7	63,8	59,4	50,5	32,3			
FAN TIP SPEED	4000	24,9	43,1	50,3	54,9	57,1	59,9	60,2	60,4	59,8	58,9	54,9	49,1	38,5	14,2			
FT/SEC	5000	17,0	35,8	44,0	49,6	51,4	53,1	53,8	54,0	55,6	53,0	48,6	41,8	31,0	4,4			
	6300		19,5	30,3	36,5	40,2	41,9	42,8	43,4	45,5	44,6	37,1	28,6	12,0				
	8000			11,7	20,3	25,1	27,0	28,3	29,5	32,6	31,5	21,5	8,9					
	10000					6,6	9,8	11,5	12,0	15,1	14,3							
OVERALL CALCULATED		80,6	83,5	85,9	87,5	89,2	90,9	91,9	93,5	94,9	96,9	97,7	100,0	99,3	93,5			
PND8		81,9	89,9	93,6	95,5	97,1	98,4	99,2	100,5	101,3	102,3	101,5	101,4	98,8	92,5			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F; 70 PERCENT REL; HUM, 14.4, DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL			
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	0	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(0)	(0)	(0)	(0)
REV, ALPHA 12/73	FREQ.	50	85.7	83.7	81.3	86.7	87.2	88.2	89.8	91.3	93.8	98.1	99.5	107.0	109.7	107.6					159.5
		63	90.1	89.3	89.3	87.0	88.0	89.4	90.5	93.2	94.4	96.4	100.5	108.4	110.1	107.1					160.0
RDG: NO EGA		80	90.3	89.5	89.0	87.5	88.5	89.3	91.6	92.9	95.7	97.5	102.7	109.8	111.2	108.3					161.3
RADIAL 320, FT.		100	89.2	88.7	89.0	88.8	89.8	90.3	90.9	94.1	95.5	99.5	103.0	108.3	108.0	109.7					160.3
(98, M)		125	89.3	87.4	89.3	88.7	89.5	91.2	92.4	94.1	95.9	99.6	103.5	106.4	105.9	105.7					158.7
VEHICLE JENOTS		160	88.0	87.7	88.6	88.3	89.0	90.9	91.9	93.9	95.4	99.4	103.6	107.0	104.2	102.2					158.2
CONFIG JE-056		200	86.6	87.7	88.2	88.2	89.6	91.2	92.0	94.0	95.3	98.3	101.8	103.0	101.4	99.5					155.9
LOC EVENDALE		250	87.3	87.1	87.0	89.7	90.2	91.1	91.3	92.8	95.0	97.6	100.4	101.5	99.9	97.3					154.8
DATE 04-22-75		315	85.6	87.1	88.3	87.5	88.6	89.9	90.7	92.2	94.8	97.1	98.3	99.5	96.4	93.5					153.2
RUN DBTF-MODEL 2		400	85.1	87.7	88.3	88.3	89.1	90.4	91.1	92.2	93.8	97.4	97.2	98.2	94.9	92.2					152.7
TAPE X20530		500	83.2	86.5	87.5	88.1	88.7	90.6	90.9	92.5	93.9	96.7	96.4	96.1	92.6	90.1					151.9
BAR 29.9 HG		630	83.8	87.3	87.4	87.4	89.4	90.9	91.9	93.3	94.6	97.1	97.0	96.7	92.8	91.2					152.6
(01039, N/M2)		800	84.7	88.5	89.4	89.8	90.8	92.9	92.6	93.8	95.2	97.8	97.3	97.6	95.2	94.0					153.6
TAMB 59, DEG F		1000	85.5	89.6	90.1	90.6	92.3	93.9	93.3	95.0	95.8	99.2	98.2	98.0	96.7	96.7					154.8
(288, DEG K)		1250	86.6	90.0	91.5	91.6	93.5	94.7	94.3	96.1	96.7	98.7	98.4	100.0	98.0	98.3					155.7
TWET 53, DEG F		1600	86.1	89.9	90.7	91.7	92.8	94.6	94.6	96.5	97.9	99.2	97.6	100.1	98.3	98.9					156.0
(285, DEG K)		2000	84.4	89.5	89.7	90.3	92.2	93.2	93.8	95.6	96.4	97.8	96.4	99.5	97.5	97.8					155.2
HACT 8.91 GM/M3		2500	82.4	87.9	87.9	88.5	89.7	90.9	91.5	93.6	94.9	94.9	94.1	96.8	95.9	96.9					153.4
(.00891 KG/M3)		3150	79.4	85.1	85.4	86.2	86.2	87.8	88.1	90.7	91.2	91.5	89.9	94.1	93.9	93.1					150.7
FREQ, SHIFT		4000	75.9	82.0	83.0	82.5	82.5	84.6	84.9	87.1	86.7	88.7	86.6	91.2	92.7	89.1					148.4
JET 9		5000	73.9	79.4	79.9	79.7	80.5	80.3	80.7	84.4	84.5	83.1	83.5	89.9	91.4	89.1					146.6
DIAHETER RATIO		6300	71.8	74.7	75.7	76.0	76.7	77.0	76.7	82.9	82.4	83.3	82.3	90.8	90.7	90.0					147.2
DF/DM 8.00		8000	72.7	73.7	72.6	73.8	74.3	74.6	74.6	84.1	82.6	86.5	83.0	92.7	91.7	91.8					150.3
		10000	73.2	74.8	71.4	72.1	74.1	73.7	74.8	85.5	83.4	88.9	83.7	95.0	94.0	94.2					154.9
OVERALL CALCULATED			99.6	101.1	101.8	101.8	103.0	104.4	104.9	106.8	108.1	110.8	112.7	116.9	117.2	115.9					169.9
PND8			108.1	111.8	112.2	112.5	113.8	115.0	115.5	117.7	118.8	120.6	120.3	123.6	122.5	122.1					171.2

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																(0, 0), (0, 0), (0, 0)		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,		
REV: ALPHA 12/73	FREQ.	50	61,8	62,1	67,3	67,7	68,9	70,4	72,2	73,5	75,6	79,1	79,5	83,4	85,9	80,3				
NO EGA		63	66,1	67,7	69,2	68,0	69,7	71,5	72,8	75,4	76,2	77,5	80,4	86,7	86,1	79,6				
SIDELINE 2400, FT.	80	66,3	67,7	68,8	68,4	70,2	71,4	73,9	75,0	77,4	78,4	82,6	88,1	87,1	80,7					
(751,52 M)		100	65,0	66,8	69,7	69,7	71,4	72,3	73,1	76,2	77,2	80,4	82,7	86,4	83,8	81,9				
NFA	0, RPM	125	65,0	65,4	68,9	69,5	71,1	73,2	74,5	76,1	77,4	80,4	83,1	84,5	81,5	77,7				
(0, RAD/SEC)	160	63,4	65,6	68,1	69,0	70,4	72,8	73,9	75,8	76,9	80,1	83,1	84,9	79,6	73,8				
NFK	0, RPM	200	61,7	65,4	67,5	68,8	70,9	73,0	73,9	75,8	76,7	78,8	81,2	80,6	76,6	70,7				
(0, RAD/SEC)	250	62,2	64,5	66,2	70,0	71,4	72,7	73,0	74,4	76,1	78,0	79,6	78,9	74,7	68,1				
NFD	0, RPM	315	60,0	64,2	67,2	67,6	69,6	71,3	72,3	73,6	75,7	77,2	77,2	76,6	70,9	63,6				
(0, RAD/SEC)	400	59,0	64,4	66,9	68,1	69,8	71,5	72,4	73,3	74,5	77,2	75,8	74,9	68,8	61,5				
AIRFLOW RATIO	500	56,5	62,7	65,7	67,6	69,0	71,5	71,9	73,4	74,2	76,2	74,5	72,3	65,8	58,4					
WF/WM 8,00	630	58,2	62,9	65,0	66,4	69,3	71,3	72,5	73,8	74,6	75,1	74,6	72,2	65,2	58,2					
		800	55,9	63,1	66,3	68,1	70,1	72,8	72,6	73,7	74,5	76,2	74,2	72,3	66,5	59,3				
VEHICLE JENOTS	1000	55,4	63,2	66,2	68,2	71,0	73,2	72,7	74,3	74,3	75,9	74,3	72,4	66,6	60,0					
CONFIG JE056	1250	54,8	62,4	66,5	68,3	71,4	73,1	73,0	74,6	74,5	75,4	73,4	72,4	66,2	59,1					
LOC EVENDALE	1600	51,8	60,4	64,2	67,1	69,4	71,9	72,1	73,8	74,5	74,6	71,1	70,6	64,1	56,1					
DATE 04-22-75	2000	47,3	57,8	61,4	64,1	67,4	69,2	70,0	71,5	71,6	71,6	68,1	67,8	60,4	50,7					
RUN DBTF=MODEL 2	2500	41,1	53,0	56,9	60,0	62,8	64,9	65,8	67,5	68,0	66,4	63,1	61,9	54,6	43,5					
TAPE X20530	3150	31,4	45,1	50,2	54,1	56,0	58,5	59,3	61,4	60,9	59,3	54,7	54,0	45,9	29,6					
FAN TIP SPEED	4000	17,8	34,2	41,4	44,8	47,2	50,6	51,3	53,1	51,4	51,0	45,0	43,5	34,6	10,6					
FT/SEC	5000	9,9	27,2	34,6	38,8	42,3	43,5	44,4	47,6	46,3	44,2	38,3	37,7	27,4	1,8					
		6300		9,4	19,7	25,7	29,9	32,1	32,5	38,0	35,6	37,0	26,3	28,5	9,5					
		8000				9,0	14,4	17,2	18,0	26,8	22,6	21,7	10,4	7,4						
		10000							1,2	10,8	5,1	4,0								
OVERALL CALCULATED		74,1	76,9	79,5	80,6	82,5	84,4	85,2	86,9	88,0	90,1	91,6	94,6	92,8	87,6					
PND8		75,1	81,4	84,9	87,1	89,4	91,6	92,2	93,9	94,7	94,7	94,6	95,5	91,8	86,2					

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% DEG. F; 70 PERCENT REL. HUM; DAY 7 JENOTS)

		ANGLES FROM INCLT IN DEGREES (AND RADIANS)																PHL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
REV: ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,		
	50	83.9	81.7	85.8	83.4	84.2	85.5	86.8	89.1	92.3	96.3	96.8	106.0	108.0	106.6				158.0	
NO EGA	63	87.3	87.3	86.8	84.5	85.5	86.6	88.0	89.7	91.2	94.2	97.7	106.9	108.3	105.8				158.3	
RDG. NO: 0.	80	88.6	87.2	86.5	85.2	87.0	87.0	89.1	90.4	92.7	95.0	100.5	106.6	109.2	108.8				159.9	
RADIAL 320, FT.	100	87.7	87.4	87.6	86.8	87.8	88.0	88.9	91.6	92.8	96.5	100.5	106.5	106.5	110.5				159.1	
(98, M)	125	88.1	86.4	87.3	86.9	87.5	89.4	90.7	92.1	93.6	97.8	101.5	106.2	107.4	107.4				158.6	
VEHICLE JENOTS	160	86.7	86.7	87.1	86.5	87.7	89.2	90.4	92.2	93.7	97.4	101.3	106.7	106.4	104.7				158.1	
CONFIG JE-056	200	85.6	86.5	86.2	86.2	87.8	89.0	90.5	92.2	93.3	96.8	100.6	103.7	104.1	103.0				156.2	
LGC EVENDALE	250	85.3	85.3	84.8	86.9	87.7	89.6	89.8	91.1	93.2	95.9	99.2	101.5	102.1	101.5				154.7	
DATE 04-22-75	315	84.1	84.3	85.3	84.7	85.6	87.7	88.2	90.9	92.8	94.6	97.0	100.0	99.4	98.3				152.9	
RUN DBTF=MODEL 2	400	82.8	83.9	84.3	84.8	85.4	87.4	87.8	90.2	91.8	95.2	96.2	98.7	97.6	96.7				151.9	
TAPE X20540	500	80.5	82.5	82.5	83.9	85.0	86.9	87.7	89.8	91.6	94.0	94.6	95.9	94.4	91.6				150.1	
BAR 29.9 HG	630	79.8	81.6	82.9	83.2	84.4	86.2	87.4	89.6	91.6	94.1	93.8	94.9	91.6	89.2				149.5	
(01039, N/M2)	800	79.9	82.5	82.7	83.8	85.0	86.6	86.6	88.8	90.5	93.3	92.3	93.1	89.5	88.2				148.5	
TAMB 59, DEG F	1000	78.8	82.6	83.1	84.1	85.6	87.2	87.1	89.0	90.1	92.2	92.7	91.5	87.5	88.0				148.2	
(288, DEG K)	1250	78.8	82.8	83.3	83.6	85.8	86.4	86.8	89.1	90.7	92.0	91.7	89.8	87.0	87.3				147.9	
TWET 53, DEG F	1600	77.6	81.6	82.7	82.7	84.6	86.1	86.4	88.2	89.1	92.2	90.9	88.6	85.5	85.7				147.4	
(285, DEG K)	2000	74.9	79.0	80.0	80.5	82.7	83.7	84.3	86.1	86.9	88.3	88.2	86.7	84.7	88.1				145.2	
HAC7 8.91 GM/M3	2500	71.9	75.9	76.4	78.0	79.2	80.2	80.8	82.8	84.9	85.4	84.1	83.8	85.1	83.2				142.5	
(.00891 KG/M3)	3150	70.7	72.6	74.1	75.0	75.7	77.3	77.6	79.9	82.2	82.5	80.9	84.6	88.4	83.9				141.7	
FREQ. SHIFT	4000	68.4	68.7	70.2	70.7	71.8	73.6	74.6	75.8	79.5	79.7	79.1	84.4	90.5	84.4				142.0	
JET 9	5000	68.4	68.1	68.9	69.7	70.0	70.0	70.7	72.9	78.8	79.8	79.3	85.7	90.4	87.1				142.6	
DIAMETER RATIO	6300	70.5	68.2	68.7	69.3	70.2	69.7	69.5	71.7	79.2	81.8	81.3	88.3	90.1	89.0				145.0	
DF/DH 8.00	8000	71.5	69.9	69.1	71.5	72.3	70.3	70.8	73.4	81.1	84.2	82.3	90.2	91.4	91.3				148.6	
	10000	72.7	70.8	70.1	71.9	73.1	72.7	73.3	75.2	82.4	86.9	84.7	93.5	93.5	93.7				143.7	
OVERALL CALCULATED		97.0	97.1	97.5	97.3	98.5	99.9	100.7	102.7	104.4	107.5	110.1	113.6	116.1	116.1				148.1	
PND8		102.5	104.3	105.0	105.2	106.7	107.9	108.5	110.5	112.5	114.1	115.6	119.3	119.6	119.6				141.3	

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV. ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	60.1	60.1	65.8	64.5	65.9	67.7	69.2	71.3	74.1	77.4	76.7	84.4	84.1	79.3			
SIDELINE 2400 FT	63	63.4	65.7	66.7	65.5	67.2	68.8	70.3	71.9	72.9	75.2	77.6	85.2	84.4	78.4			
(731.52 M)	80	64.5	65.5	66.3	66.2	68.7	69.1	71.4	72.5	74.4	75.9	80.3	86.8	85.1	81.2			
NPA 0 RPM	100	63.5	65.6	67.4	67.7	69.4	70.1	71.1	73.7	74.4	77.4	80.2	84.7	82.3	82.7			
(0 RAD/SEC)	125	63.7	64.4	66.9	67.7	69.1	71.4	72.8	74.1	75.2	78.7	81.1	84.2	83.0	79.4			
NFK 0 RPM	160	62.2	64.6	66.6	67.2	69.2	71.1	72.4	74.1	75.1	78.1	80.9	84.6	81.9	76.3			
(0 RAD/SEC)	200	60.7	64.2	65.5	66.8	69.1	70.8	72.4	74.0	74.7	77.3	80.0	81.4	79.3	74.2			
NPD 0 RPM	250	60.2	62.8	64.0	67.3	68.9	71.2	71.5	72.7	74.4	76.3	78.3	78.9	77.0	72.3			
(0 RAD/SEC)	315	58.5	61.4	64.2	64.9	66.6	69.1	69.8	72.3	73.7	75.7	75.9	77.1	73.9	68.4			
AIRFLOW RATIO	400	56.7	60.6	62.9	64.6	66.1	68.5	69.1	71.3	72.5	75.0	74.8	75.4	71.5	66.0			
HF/WH 8.00	500	53.7	58.7	60.7	63.4	65.3	67.7	68.7	70.6	72.0	74.5	72.8	72.1	67.6	59.9			
	630	52.2	57.1	60.5	62.2	64.3	66.6	68.0	70.0	71.8	73.1	71.4	70.5	64.0	56.2			
VEHICLE JENOTS	800	51.1	57.1	59.6	62.1	64.4	66.5	66.6	68.7	69.8	71.7	69.2	67.8	60.7	53.6			
CONFIG JE-056	1000	48.7	56.2	59.2	61.7	64.3	66.4	66.5	68.3	68.7	69.9	68.8	65.2	57.3	51.3			
LOC EVENDALE	1250	47.0	55.1	58.3	60.3	63.6	64.9	65.5	67.6	68.5	69.7	66.7	62.1	55.2	48.1			
DATE 04-22-75	1600	43.3	52.1	56.2	58.1	61.2	63.4	63.9	65.5	65.8	67.6	64.4	59.1	51.3	42.9			
RUN DBTE=MODEL 2	2000	37.8	47.3	51.6	54.4	57.9	59.7	60.5	62.0	62.1	62.1	59.8	55.0	47.6	40.9			
TAPE X20540	2500	30.6	41.0	45.4	49.5	52.3	54.1	55.0	56.8	58.0	56.9	53.1	48.9	43.8	29.8			
FAN TIP SPEED	3150	22.6	32.6	38.9	42.8	45.5	48.0	48.8	50.7	51.9	50.3	45.7	44.5	40.4	20.4			
FT/SEC	4000	10.3	21.0	28.7	33.0	36.5	39.6	41.1	41.8	44.2	42.0	37.5	36.7	32.4	5.8			
	5000	4.4	15.9	23.6	28.8	31.8	33.3	34.4	36.1	40.5	38.9	34.0	33.5	26.4				
	6300		2.9	12.7	19.0	23.4	24.8	25.2	26.8	32.4	31.5	25.3	23.0	9.2				
	8000				9.8	22.4	13.0	14.3	16.0	21.1	19.5	9.7	4.9					
	10000								0.5	4.1	2.0							
OVERALL CALCULATED		72.2	74.4	76.4	77.2	79.1	81.0	82.1	83.8	85.1	87.5	89.4	93.6	91.9	88.2			
PND8		71.7	76.0	78.8	80.7	83.1	85.2	86.0	87.8	89.1	91.0	91.6	93.4	90.3	86.3			

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		ANGLES FROM INLET IN DEGREES (AND RADIAN)S																0, 0, 0, 0, PHL					
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,								
REV: ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,	(0,				
		50	91.9	91.0	94.1	92.7	93.7	94.5	95.8	97.1	100.1	104.6	106.0	113.3	116.0	110.6					163.4		
NO EGA		63	96.3	96.3	95.3	94.3	95.2	96.4	98.0	99.7	101.4	104.2	109.5	119.4	117.3	114.3					169.0		
RDG: NO. 0		80	98.1	97.7	96.2	94.2	95.7	95.8	97.9	99.6	101.9	104.5	111.5	118.8	119.7	116.1					169.8		
RADIAL 320. FT.		100	98.7	98.2	97.9	96.8	97.3	98.0	98.7	101.4	103.0	107.3	111.7	118.8	117.2	116.0					169.2		
(98. 4)		125	97.8	96.1	96.8	96.7	96.8	97.9	98.9	100.8	103.1	106.6	111.0	116.7	115.9	112.2					167.3		
VEHICLE JENOTS		160	96.2	95.9	96.4	96.0	97.0	97.7	99.4	101.2	102.4	106.9	110.8	116.2	113.7	108.9					166.7		
CONFIG JE-056		200	93.8	95.2	95.4	95.7	96.6	98.5	99.3	100.7	102.6	106.5	109.3	112.2	109.4	106.2					164.0		
LOC EVENDALE		250	94.9	94.3	93.8	96.2	97.2	98.6	98.8	100.1	102.2	104.9	107.7	110.3	106.4	104.8					162.4		
DATE 04-22-75		315	92.8	94.3	95.3	95.0	95.6	97.5	97.7	99.7	102.1	104.4	105.3	109.0	103.9	102.0					161.1		
RUN DBTE=MODEL 2		400	91.6	94.2	94.8	95.3	96.1	97.6	98.1	99.4	101.6	104.2	104.2	107.2	103.1	102.7					160.4		
TAPE X20550		500	90.3	93.3	94.6	95.4	96.2	97.9	98.5	100.0	101.4	104.2	103.6	106.4	101.9	98.6					160.0		
BAR 29.9 HG		630	90.6	94.1	94.5	95.2	96.6	98.2	98.9	100.9	103.2	104.6	104.1	107.2	102.9	100.4					160.8		
(01039, N/M2)		800	92.2	94.5	95.5	96.3	97.8	99.7	99.6	101.1	103.2	104.9	104.8	108.4	104.5	101.0					161.6		
TAMB 59, DEG F		1000	92.3	95.9	96.7	97.1	98.9	100.7	99.9	102.1	103.9	104.8	105.0	109.1	105.3	102.5					162.3		
(288, DEG K)		1250	93.6	96.8	97.8	98.9	99.9	100.8	100.4	102.4	104.3	105.8	105.8	109.6	105.3	102.9					163.0		
TWET 53, DEG F		1600	93.9	98.5	99.1	99.0	100.4	100.7	100.5	102.8	103.5	104.6	105.2	109.2	104.9	102.8					162.9		
(285, DEG K)		2000	94.0	100.1	100.8	99.7	100.3	100.8	100.5	101.7	102.2	104.1	103.5	107.6	102.8	100.7					162.1		
HACT 8.91 GH/M3		2500	92.5	99.1	99.8	100.1	99.8	99.3	99.2	99.9	100.6	101.1	101.5	104.7	101.5	98.3					160.8		
(00891 KH/M3)		3150	86.3	94.5	96.0	97.1	98.1	97.9	97.0	98.3	98.8	98.6	98.5	102.7	99.3	97.8					159.0		
FREQ: SHIFT		4000	84.3	90.6	92.1	92.6	92.9	94.9	94.0	95.4	95.3	96.0	96.2	100.8	97.9	96.3					158.9		
JET 9		5000	82.5	88.2	89.5	90.5	90.1	90.3	92.7	93.3	94.6	93.8	93.8	99.3	97.7	97.7					155.3		
DIAMETER RATIO		6300	81.3	85.3	86.3	87.3	87.3	88.3	87.6	92.5	92.3	94.4	92.9	100.9	99.0	99.1					156.8		
DF/DM 8.00		8000	82.5	83.2	84.3	85.0	85.1	86.6	84.8	93.6	92.9	93.8	93.8	103.0	101.2	101.5					160.2		
		10000	83.2	82.5	82.6	83.4	84.4	84.5	86.3	95.0	93.4	98.2	95.5	103.2	103.2	103.2					164.7		
OVERALL CALCULATED			107.4	109.3	109.8	109.8	110.7	111.6	111.9	113.7	115.3	117.8	120.4	126.5	125.4	122.3					178.1		
PNDB			116.8	121.2	121.6	122.2	122.6	123.0	122.9	124.7	125.7	127.2	128.0	132.7	129.6	127.4					179.4		

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIAN)

REV: ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0,0)	(0,0)	(0,0)
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)			
NO EGA	50	68,1	69,4	74,0	73,7	75,4	76,7	78,2	79,3	81,8	85,6	86,0	91,7	92,1	83,3			
SIDELINE 2400, FT	63	72,4	74,7	75,2	75,3	77,0	78,5	80,3	81,9	83,2	85,2	89,4	97,7	93,4	86,9			
(751,52 M)	80	74,0	76,0	76,1	75,2	77,4	77,9	80,1	81,7	83,6	85,4	91,3	97,1	95,6	88,5			
NFA	100	74,5	76,3	77,7	77,7	79,1	80,1	80,9	83,4	84,7	88,2	91,5	96,9	93,0	88,2			
(0, RPM	125	73,5	74,2	76,4	77,5	78,3	79,9	81,0	82,8	84,7	87,4	90,6	94,7	91,5	84,2			
(0, RAD/SEC	160	71,7	73,8	75,9	76,7	78,4	79,6	81,4	83,1	83,9	87,6	90,4	94,1	89,1	80,6			
NPK	200	69,0	72,9	74,8	76,3	77,9	80,3	81,2	82,5	83,9	87,0	88,7	89,9	84,6	77,5			
(0, RAD/SEC	250	69,7	71,8	73,0	76,5	78,4	80,2	80,5	81,7	83,4	85,3	86,9	87,7	81,2	75,6			
NFD	315	67,3	71,4	74,2	75,1	76,6	78,9	79,3	81,1	83,0	84,5	84,2	86,1	78,4	72,2			
(0, RAD/SEC	400	65,5	70,9	73,4	75,1	76,8	78,8	79,4	80,6	82,3	84,0	82,8	83,9	77,0	72,0			
AIRFLOW RATIO	500	63,5	69,5	72,7	74,9	76,6	78,7	79,5	80,9	81,7	83,7	81,8	82,6	75,1	66,9			
WF/WM 8,00	630	63,0	69,6	72,1	74,2	76,5	78,6	79,5	81,3	83,1	83,6	81,7	82,8	75,2	67,5			
	800	63,4	69,2	72,3	74,7	77,2	79,5	79,7	81,0	82,6	83,3	81,7	83,1	75,8	66,4			
VEHICLE JENOTS	1000	62,2	69,5	72,7	74,8	77,6	80,0	79,3	81,3	82,5	82,4	81,1	82,7	75,1	65,8			
CONFIG JE-056	1250	61,8	69,2	72,8	75,6	77,7	79,2	79,0	80,9	82,1	82,5	80,8	82,0	73,5	63,7			
LQC EVENDALE	1600	59,7	69,0	72,5	74,4	77,0	78,0	78,0	80,1	80,1	80,0	78,7	79,7	70,7	60,0			
DATE 04-22-75	2000	56,9	68,4	72,5	73,5	75,5	76,8	76,6	77,6	77,4	76,9	75,2	75,9	65,7	53,5			
RUN DBTF-MODEL 2	2500	51,2	64,2	68,8	71,6	72,9	73,3	73,4	73,9	73,6	72,6	70,5	69,8	60,2	44,9			
TAPE X20550	3150	40,3	54,5	60,8	64,9	67,8	68,6	68,1	69,1	68,5	66,4	63,3	62,7	51,2	34,3			
FAN TIP SPEED	4000	28,1	42,8	50,6	54,9	57,6	60,9	60,4	61,4	60,0	58,4	54,7	53,1	39,7	17,7			
FT/SEC	5000	18,5	36,0	44,2	49,6	51,9	53,4	54,0	56,0	55,1	52,7	48,6	47,1	33,7	10,4			
	6300	9,1	20,0	30,3	37,0	40,5	43,4	43,3	47,6	45,5	44,1	36,9	35,6	17,8				
	8000			11,7	20,3	25,1	29,2	28,3	36,3	32,9	31,0	21,2	17,6					
	10000					6,1	9,8	12,7	20,3	15,1	13,3							
OVERALL CALCULATED		81,8	84,7	86,7	88,0	89,8	91,4	92,2	93,8	95,2	97,3	99,4	104,2	100,9	94,1			
PND8		83,3	90,3	93,8	95,5	97,5	99,1	99,3	100,9	101,5	102,3	102,3	103,2	100,1	92,8			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (57, DEG, F; 70 PERCENT REL. HUM, DAY = JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV. ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	PHL
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	
NO EGA	50	88.9	86.7	89.8	89.4	89.9	90.7	91.8	94.3	97.1	100.8	103.3	110.5	112.7	109.6				162.5
RDG. NO. 0	63	92.8	92.8	91.8	90.3	90.7	92.9	93.7	96.7	98.2	99.7	105.2	114.9	114.8	112.1				165.4
RADIAL 320, FT.	80	93.3	93.2	92.2	90.7	92.0	92.3	94.4	96.4	99.2	101.5	107.5	116.3	115.9	111.8				166.6
(98, M)	100	92.7	93.2	93.4	93.0	93.0	93.3	94.7	98.1	99.3	103.8	109.0	116.0	113.5	114.5				166.4
VEHICLE JENOTS	125	93.3	91.9	92.5	92.9	93.3	94.7	95.9	98.3	99.9	103.3	108.7	114.2	111.1	110.7				164.6
CONFIG JE-096	160	92.5	91.9	92.4	92.3	93.0	94.2	95.9	98.4	99.2	104.1	108.8	115.5	110.2	107.4				164.9
LOC EVENDALE	200	90.6	91.5	91.4	92.5	93.1	95.0	95.8	97.7	99.3	103.3	107.6	112.0	107.9	104.7				162.5
DATE 04-22-75	250	91.3	90.8	90.3	92.7	93.2	94.6	94.8	97.1	99.2	101.9	105.9	110.3	105.9	102.5				160.9
RUN DBT-MODEL 2	315	89.8	90.1	90.8	90.7	91.4	93.2	94.2	96.4	98.3	101.6	103.8	107.7	102.7	99.3				158.9
TAPE X20560	400	88.3	89.9	90.1	91.3	92.4	93.4	93.8	95.9	98.1	100.9	102.5	106.4	100.6	96.9				137.9
BAR 29.9 HG	500	87.0	89.5	90.0	90.9	91.7	93.1	93.9	96.5	97.4	100.5	100.6	103.6	97.4	94.8				156.4
(01039, N/M2)	630	87.6	90.6	90.2	90.9	92.1	93.2	94.4	96.8	98.1	100.6	100.3	102.4	96.6	94.7				156.3
TAMB 59, DEG F	800	88.2	91.7	91.9	93.0	94.0	95.4	94.8	97.0	98.5	100.6	100.0	102.6	97.5	97.5				156.8
(288, DEG K)	1000	89.0	93.3	93.8	93.6	95.1	97.2	96.6	97.5	99.8	101.5	100.5	103.5	99.5	100.0				158.0
TWET 53, DEG F	1250	91.1	94.3	94.8	96.1	96.8	97.2	97.8	98.8	99.9	102.2	100.9	103.8	100.7	101.1				159.0
(285, DEG K)	1600	90.1	93.9	94.5	95.2	97.6	97.8	98.4	101.2	101.1	101.2	100.6	104.3	101.0	101.4				159.5
HACT 8.91 GM/M3	2000	88.7	92.5	93.2	93.5	95.7	96.5	97.3	99.1	100.1	100.5	99.4	103.0	100.2	100.8				158.5
(.00891 KG/M3)	2500	87.9	93.2	93.4	92.7	93.2	94.4	94.5	96.8	97.7	97.7	97.1	101.3	99.1	99.9				156.8
FREQ. SHIFT	3150	86.2	92.9	92.9	91.2	91.2	91.5	91.4	94.2	95.4	95.0	93.9	99.1	98.2	98.4				155.2
JET 9	4000	81.9	87.7	88.2	88.2	87.8	88.6	88.4	91.6	92.5	91.9	91.6	96.7	97.0	96.4				153.3
DIAMETER RATIO	5000	79.9	84.1	85.1	85.4	85.5	85.5	85.2	90.1	91.3	89.1	90.3	96.4	97.1	97.6				152.8
DF/DH 8.00	6300	79.8	82.2	82.2	82.5	82.2	83.2	83.2	91.7	90.9	88.8	90.8	98.8	98.9	99.5				155.2
OVERALL CALCULATED	8000	80.7	81.4	81.3	82.5	82.6	82.3	82.8	93.1	92.8	90.7	92.8	100.7	101.2	101.3				158.9
PNDB	10000	82.7	81.6	80.6	82.4	83.4	83.7	83.8	95.2	93.6	92.9	94.2	103.0	103.2	103.2				163.4
		103.4	105.1	105.5	105.6	106.5	107.6	108.2	110.7	111.9	114.4	117.6	123.9	122.0	120.2				175.2
		113.0	116.8	117.0	116.8	117.6	118.5	119.1	121.9	122.8	123.8	124.5	129.4	127.1	126.6				176.5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

REV, ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30, (0.52)	40, (0.70)	50, (0.87)	60, (1.05)	70, (1.22)	80, (1.40)	90, (1.57)	100, (1.75)	110, (1.92)	120, (2.09)	130, (2.27)	140, (2.44)	150, (2.62)	160, (2.79)	0, (0)	0, (0)
NO EGA	50	65.1	65.1	69.8	70.5	71.7	72.9	74.2	76.5	78.8	81.9	83.2	88.9	88.9	82.3		
SIDELINE 2400, FT.	63	68.9	71.2	71.7	71.3	72.5	75.0	76.0	78.9	79.9	80.7	85.1	93.2	90.9	84.6		
(731.52 M)	80	69.3	71.5	72.1	71.7	73.7	74.4	76.6	78.5	80.9	82.4	87.3	94.6	91.9	84.2		
NFA	100	68.5	71.3	73.2	73.9	74.6	75.3	76.9	80.2	80.9	84.7	88.7	94.2	89.3	86.7		
(0, RPM)	125	69.0	69.9	72.2	73.7	74.8	76.7	78.0	80.3	81.4	84.2	88.4	92.2	86.8	82.7		
(0, RAD/SEC)	160	67.9	69.8	71.9	73.0	74.4	76.1	77.9	80.3	80.6	84.8	88.4	93.4	85.6	79.1		
NFK	200	65.7	69.2	70.8	73.0	74.4	76.8	77.7	79.5	80.7	83.8	87.0	89.6	83.1	76.0		
(0, RAD/SEC)	250	66.2	68.3	69.5	73.0	74.4	76.2	76.5	78.7	80.4	82.3	85.1	87.7	80.7	73.3		
NFD	315	64.3	67.2	69.7	70.9	72.3	74.6	75.8	77.8	79.2	81.7	82.7	84.8	77.1	69.4		
(0, RAD/SEC)	400	62.2	66.6	69.4	71.1	73.1	74.5	75.1	77.1	78.8	80.7	81.0	83.1	74.5	66.2		
AIRFLOW RATIO	500	60.2	65.7	68.2	70.4	72.0	74.0	74.9	77.4	77.7	80.0	78.8	79.8	70.6	63.2		
WF/WH 8.00	630	59.9	66.1	67.8	69.9	72.0	73.6	75.0	77.3	78.1	79.6	77.9	78.0	69.0	61.7		
VEHICLE	800	59.4	66.4	68.8	71.4	73.4	75.3	74.9	76.9	77.8	79.0	76.9	77.3	68.7	62.8		
JENOTS	1000	58.9	67.0	69.7	71.2	73.8	76.4	76.0	76.8	78.5	79.1	76.5	77.2	69.3	63.3		
CONFIG	1250	59.3	66.6	69.8	72.8	74.6	75.6	76.5	78.1	77.8	78.9	75.9	76.1	68.9	61.9		
LOC	1600	55.8	64.4	67.9	70.6	74.2	75.1	75.9	78.5	77.8	76.6	74.1	74.9	66.8	58.6		
EVENDALE	2000	51.6	60.8	64.9	67.4	70.9	72.4	73.5	75.0	75.3	74.3	71.1	71.3	63.1	53.7		
DATE 04-22-75	2500	46.6	58.3	62.4	64.2	66.3	68.4	68.8	70.8	70.8	69.2	66.1	66.4	57.8	46.5		
RUN DBTF=MODEL 2	3150	38.1	52.9	57.7	59.1	61.0	62.3	62.5	64.9	65.1	62.8	58.7	59.0	50.1	34.9		
TAPE	4000	23.8	40.0	46.7	50.5	52.5	54.6	54.8	57.6	57.2	54.2	50.0	49.0	38.9	17.8		
X20560	5000	15.9	31.9	39.9	44.5	47.3	48.8	48.9	53.4	53.0	48.2	45.0	44.2	33.1	10.3		
FAN TIP SPEED	6300		16.9	26.2	32.2	35.4	38.3	39.0	45.8	44.1	38.5	34.8	33.5	17.7			
FT/SEC	8000			8.7	17.8	22.6	25.0	26.3	35.8	32.9	26.0	20.2	15.4				
OVERALL CALCULATED	10000	77.6	80.6	82.6	84.1	85.9	87.5	88.5	90.7	91.7	94.0	96.7	101.6	97.5	91.9		
PNDB		79.3	85.5	88.6	90.9	93.5	94.9	95.7	98.2	98.4	98.8	99.5	102.7	96.6	90.8		

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY 7 JENOTS)

		PROC. DATE = MONTH 5 DAY 2 HR: 14:4 DAY 7 JENOTS																PWL			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0		
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)		
	50	87.7	86.5	88.3	87.7	88.2	90.0	90.1	93.1	96.1	101.8	101.8	108.3	110.7	108.6					160.8	
NO EGA	63	89.8	90.8	90.3	88.3	89.0	90.6	92.0	94.5	95.4	99.2	102.7	110.4	112.1	108.3					161.9	
RDG. NO. 0.	80	91.8	91.5	90.5	89.5	90.7	91.0	92.4	94.6	96.7	99.7	106.5	112.6	113.4	110.3					163.8	
RADIAL 320, FT.	100	92.0	91.2	91.9	91.8	91.8	91.8	92.9	95.9	97.5	102.5	106.7	111.3	111.2	113.7					163.6	
(98, 4)	125	93.3	91.6	92.0	91.7	92.0	93.9	94.2	96.3	98.4	102.8	108.0	112.4	111.9	109.9					163.7	
VEHICLE JENOTS	160	93.2	92.4	92.4	92.0	93.0	93.7	95.2	96.9	98.2	102.9	108.1	113.0	111.4	108.7					163.8	
CONFIG JE-056	200	92.3	92.0	91.7	92.2	92.8	94.0	95.5	97.0	98.3	102.0	106.6	110.5	110.1	107.0					162.1	
LOC EVENDALE	250	92.1	91.1	90.3	92.4	93.0	94.1	94.3	96.3	98.2	101.4	105.4	109.3	108.6	105.3					161.0	
DATE 04-22-75	315	90.6	90.1	90.5	90.0	90.6	91.7	93.2	95.7	97.8	101.1	103.0	107.5	106.2	102.3					159.1	
RUN DBTF-MODEL 2	400	88.3	89.7	89.1	89.3	90.4	91.9	92.8	94.9	97.1	100.9	102.7	105.7	103.9	99.2					157.9	
TAPE X20570	500	86.2	87.8	88.5	88.9	89.5	91.1	91.9	94.8	96.9	99.7	100.9	103.9	100.6	95.1					156.2	
BAR 29.9 HG	630	85.3	87.3	87.4	87.9	89.4	90.9	92.1	94.6	97.4	99.6	100.0	101.4	98.3	93.2					155.2	
(01039, N/42)	800	85.7	88.7	88.4	89.0	90.3	91.4	92.1	94.3	96.2	99.1	98.8	98.6	96.5	92.2					154.3	
TAMB 59, DEG F	1000	86.3	89.6	90.1	90.1	91.3	92.9	93.1	94.5	95.8	99.7	98.2	97.0	94.0	90.5					154.3	
(288, DEG K)	1250	88.1	91.0	91.3	91.8	93.0	92.9	93.5	96.6	97.4	100.5	99.4	96.5	91.7	89.6					155.3	
THET 53, DEG F	1600	86.6	89.4	91.0	91.7	93.3	93.3	93.6	96.5	97.6	101.2	99.6	95.6	92.3	87.9					155.7	
(285, DEG K)	2000	83.9	87.2	87.7	88.0	90.5	91.5	91.3	93.1	95.1	98.5	96.9	93.5	90.2	86.1					153.2	
HACT 8.91 GN/M3	2500	79.9	84.9	84.6	85.0	86.5	86.9	87.3	89.1	94.9	93.9	93.6	89.8	89.9	84.2					150.4	
(.00891 KG/M3)	3150	78.4	81.4	81.6	82.0	83.0	83.8	84.1	86.4	90.7	91.7	90.2	88.1	89.4	84.6					148.0	
FREQ. SHIFT	4000	76.1	77.7	77.7	78.7	78.8	80.8	80.9	83.1	91.5	89.2	89.1	87.2	91.0	84.4					147.7	
JET 9	5000	76.9	77.4	77.1	78.4	78.5	78.5	78.5	80.4	92.3	88.6	88.8	87.9	89.9	86.4					148.0	
DIAMETER RATIO	6300	78.5	79.0	78.0	78.5	78.9	78.7	79.2	81.4	92.7	90.6	91.1	90.6	91.2	88.5					150.6	
DF/DH 8.00	8000	81.0	81.4	78.8	80.8	81.1	80.3	81.3	82.9	93.8	93.7	94.3	92.5	93.7	90.8					154.7	
	10000	81.7	81.6	79.9	81.4	83.4	83.0	83.8	85.0	93.4	93.6	94.7	95.2	96.2	92.7					198.7	
OVERALL CALCULATED		102.4	102.7	102.8	103.0	103.9	104.8	105.6	107.9	110.1	113.5	116.5	120.9	120.8	118.9					173.0	
PND8		109.9	111.6	112.0	112.5	113.7	114.3	114.8	117.2	120.7	122.8	123.2	124.9	124.2	121.7					174.3	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
REV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,
	50	63.8	64.9	68.3	68.7	69.9	72.2	72.4	75.3	77.8	82.9	81.7	86.7	86.9	81.3			
NO EGA	63	65.9	69.2	70.2	69.3	70.7	72.8	74.3	76.6	77.2	80.2	82.6	88.7	88.1	80.9			
SIDELINE 2400. FT.	80	67.8	69.7	70.3	70.4	72.4	73.1	74.6	76.7	78.4	80.7	86.3	90.8	89.4	82.7			
(731.52 M)	100	67.8	69.3	71.7	72.7	73.4	73.8	75.1	77.9	79.2	83.4	86.5	89.4	87.0	85.9			
NFA	0, RPM	125	69.0	69.7	71.7	72.5	73.6	75.9	76.3	78.3	79.9	83.7	87.6	90.5	87.5	81.9		
(	0, RAD/SEC	160	68.7	70.3	71.9	72.7	74.4	75.6	77.2	78.8	79.6	83.6	87.6	90.9	86.9	80.3		
NFK	0, RPM	200	67.5	69.7	71.0	72.8	74.1	75.8	77.4	78.8	79.7	82.5	86.0	88.1	85.3	78.2		
(	0, RAD/SEC	250	67.0	68.5	69.5	72.8	74.1	75.7	76.0	77.9	79.4	81.8	84.6	88.7	83.5	76.1		
NFD	0, RPM	315	65.0	67.2	69.4	70.1	71.6	73.1	74.8	77.1	78.7	81.2	81.9	84.6	80.6	72.4		
(	0, RAD/SEC	400	62.2	66.4	67.6	69.1	71.1	73.0	74.1	76.1	77.8	80.7	81.3	82.4	77.8	68.5		
AIRFLOW RATIO	500	59.5	63.9	66.7	68.4	69.8	72.0	72.9	75.6	77.2	79.2	79.0	80.1	73.8	63.4			
WF/HM 8.00	630	57.7	62.9	65.0	66.9	69.3	71.3	72.7	75.0	77.3	78.6	77.6	77.0	70.7	60.2			
	800	56.9	63.4	65.3	67.4	69.6	71.3	72.1	74.2	75.5	77.5	75.7	73.3	67.7	57.6			
VEHICLE	JENOTS	1000	56.2	63.2	66.2	67.7	70.0	72.2	72.5	73.8	74.5	77.4	74.3	70.7	63.8	53.8		
CONFIG	JE-056	1250	56.3	63.4	66.3	68.5	70.9	71.4	72.2	75.1	75.3	77.2	74.4	68.9	59.9	50.4		
LOC	EVENDALE	1600	52.3	59.9	64.4	67.1	69.9	70.6	71.1	73.8	74.3	76.6	73.1	66.1	58.1	45.1		
DATE	04-22-75	2000	46.8	55.5	59.4	61.9	65.6	67.4	67.5	69.0	70.3	72.3	68.6	61.8	53.1	38.9		
RUN	DBT=MODEL 2	2500	38.6	50.0	53.7	56.5	59.6	60.9	61.5	63.0	68.0	65.4	62.6	54.9	48.6	30.8		
TAPE	X20570	3150	30.4	41.4	46.4	49.8	52.7	54.5	55.3	57.2	60.4	59.5	55.0	48.0	41.4	21.1		
FAN TIP SPEED	4000	18.0	30.0	36.2	41.0	43.5	46.8	47.3	49.1	56.2	51.5	47.5	39.5	32.9	5.8			
FT/SEC	5000	12.9	25.2	31.9	37.5	40.3	41.8	42.2	43.6	54.0	47.7	43.5	35.7	25.9				
	6300		13.7	21.9	28.2	32.1	33.8	35.0	36.5	45.9	40.3	35.1	25.3	10.0				
	8000			6.2	16.0	21.1	23.0	24.8	25.5	33.9	29.0	21.7	7.1					
	10000				5.1	8.2	10.2	10.3	15.1	10.8								
OVERALL CALCULATED		77.2	79.4	81.2	82.4	84.1	85.6	86.6	88.7	90.1	93.1	95.6	98.7	96.4	90.9			
PNDB		78.5	82.4	85.4	87.5	89.9	91.3	92.1	94.4	95.9	98.0	98.3	99.5	95.7	89.5			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL			
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	0,		
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,	(0,		
REV. ALPHA 12/73	FREQ.	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000
NO EGA		93,2	91,7	96,8	93,7	94,7	95,2	96,3	98,1	100,8	103,3	107,5	114,0	117,2	112,1						166,5
RDG. NO. 0.		98,6	99,2	98,0	96,0	96,5	97,3	98,6	99,9	102,9	106,2	113,5	120,1	121,4	115,8						170,4
RADIAL 320, FT.		99,0	99,2	98,4	98,3	98,5	99,0	99,7	102,4	104,0	108,5	114,7	121,0	120,2	117,0						171,2
(98, 4)		98,8	96,9	98,0	98,2	98,5	99,2	100,9	101,8	104,1	108,1	114,2	117,9	116,6	113,2						171,5
VEHICLE JENOTS		97,5	97,7	97,9	97,5	98,0	99,4	100,9	101,9	104,2	108,4	114,8	119,5	113,9	109,9						169,0
CONFIG JE-056		96,1	97,5	97,4	97,5	98,1	99,5	100,5	101,7	103,8	108,3	113,1	113,7	111,6	106,7						169,3
LOC EVENDALE		96,9	97,1	95,5	97,9	98,2	99,6	99,8	101,1	103,7	107,1	111,4	114,3	110,1	104,5						166,5
DATE 04-22-75		96,3	96,8	96,5	96,0	97,1	97,7	99,0	100,4	103,3	106,1	109,3	112,0	106,4	101,3						163,5
RUN DBTF-MODEL 2		94,4	96,2	96,6	97,3	97,9	98,6	98,6	100,4	102,6	105,4	107,7	109,7	104,1	100,9						162,2
TAPE X20580		92,8	95,5	95,6	96,2	97,0	98,4	99,0	100,5	102,6	104,7	106,1	106,6	101,6	99,4						160,9
BAR 29,9 HG		92,6	96,1	96,5	96,2	97,1	98,7	99,9	101,1	102,7	104,8	105,3	106,0	102,1	100,2						160,9
(01039, N/42)		92,7	98,3	97,5	97,8	98,3	99,4	99,8	101,3	102,7	104,6	104,8	105,6	103,0	101,3						161,1
TAMB 59, DEG F		92,3	97,6	97,9	98,6	99,9	100,7	99,6	102,1	103,4	104,8	104,5	106,1	104,0	103,3						161,7
(288, DEG K)		92,6	98,6	98,6	99,1	100,1	101,3	100,4	102,4	104,3	105,0	104,8	106,6	104,8	104,2						162,3
TWET 53, DEG F		92,4	98,7	99,1	99,3	100,4	100,9	101,5	103,6	103,5	104,1	104,2	106,2	104,9	103,5						162,3
(285, DEG K)		92,3	100,3	100,3	99,2	100,1	100,6	100,7	102,0	103,0	102,6	103,0	104,6	102,8	101,4						161,6
HACJ 8,91 GM/M3		91,3	99,8	99,5	99,6	98,8	98,3	99,2	100,2	100,6	99,8	100,2	102,0	100,8	99,1						160,0
(.00891 KG/M3)		87,6	95,3	96,8	97,9	97,4	97,6	96,5	98,0	98,8	98,1	97,3	100,4	99,5	98,0						158,5
FREQ. SHIFT		83,5	91,1	92,4	92,6	92,6	94,7	94,0	94,9	95,1	95,8	94,9	98,8	98,9	96,5						158,4
JET 9		82,0	89,0	90,2	90,5	89,8	90,4	90,3	92,7	93,1	93,6	92,8	97,5	98,0	97,5						154,9
DIAMETER RATIO		81,3	86,3	87,0	87,8	86,8	88,1	87,3	91,8	92,3	94,7	92,2	99,6	101,0	99,3						156,8
DF/DH 8.00		82,0	83,9	84,8	85,5	85,6	85,1	85,1	93,1	92,6	96,5	93,1	101,3	102,0	101,5						159,8
		83,5	82,8	83,1	83,9	84,9	84,5	85,1	94,5	93,7	98,7	94,2	103,5	103,7	103,2						164,2
OVERALL CALCULATED		108,2	110,6	110,7	110,6	111,2	112,0	112,5	114,2	115,9	118,7	123,0	127,9	127,3	123,1						179,4
PND8		116,7	122,2	122,3	122,4	122,4	122,9	123,2	125,0	126,0	127,3	128,6	132,3	130,8	128,0						180,7

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ORIGINAL PAGE IS
 OF POOR QUALITY

PROC. DATE = MONTH 5 DAY 1 HR: 9:7

FULL SIZE SOUND PRESSURE LEVELS SCALPD FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV: ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	(0,0)	(0,0)	(0,0)
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)			
NO EGA	50	69.3	70.1	76.8	74.7	76.4	77.4	78.7	80.3	82.6	89.4	87.5	92.4	93.4	84.8			
SIDELINE 2400. FT.	63	72.9	75.9	77.0	76.3	77.7	79.5	81.0	83.1	83.7	85.5	91.1	97.7	96.6	88.9			
(731.52 M)	80	74.5	77.5	77.8	76.9	78.2	79.4	80.9	82.0	84.6	87.2	93.3	98.3	97.4	88.2			
NFA	100	74.8	77.3	78.2	79.2	80.1	81.1	81.9	84.4	85.7	89.4	94.5	99.2	96.0	89.2			
(0, RPM)	125	74.5	74.9	77.7	79.0	80.1	81.2	83.0	83.8	85.7	88.9	93.9	96.0	92.3	85.2			
(0, RAD/SEC)	160	72.9	75.6	77.4	78.2	79.4	81.3	82.9	83.8	85.6	89.1	94.4	97.4	89.4	81.6			
NFK	200	71.2	75.2	76.8	78.0	79.4	81.3	82.4	83.5	85.2	88.8	92.5	93.4	86.8	78.0			
(0, RPM)	250	71.7	74.5	74.7	78.3	79.4	81.2	81.5	82.7	84.9	87.5	90.6	91.7	85.0	75.3			
(0, RAD/SEC)	315	70.8	73.9	75.4	76.1	78.1	79.1	80.5	81.8	84.3	86.2	88.2	89.1	80.9	71.4			
NFD	400	68.2	72.9	75.1	77.1	78.6	79.8	79.9	81.6	83.3	85.2	86.3	86.4	78.0	70.2			
(0, RPM)	500	66.0	71.7	73.7	75.6	77.3	79.2	80.0	81.4	83.0	84.2	84.3	82.8	74.9	67.7			
AIRFLOW RATIO	630	65.0	71.6	74.1	75.2	77.0	79.1	80.5	81.5	82.6	83.8	82.9	81.5	74.5	67.2			
WF/WM 8.00	800	63.9	72.9	74.3	76.2	77.7	79.3	79.9	81.2	82.1	83.0	81.7	80.3	74.3	66.6			
VEHICLE JENOTS	1000	62.2	71.3	74.0	76.3	78.6	80.0	79.1	81.3	82.0	82.4	80.6	79.7	73.9	66.6			
CONFIG JE-056	1250	60.8	70.9	73.6	75.9	77.9	79.7	79.0	80.9	82.1	81.8	79.8	79.0	73.0	65.0			
LOC EVENDALE	1600	58.2	69.2	72.5	74.7	77.0	78.2	79.0	80.9	80.1	79.5	77.7	76.7	70.7	60.7			
DATE 04-22-75	2000	55.2	68.6	72.0	73.0	75.3	76.5	76.9	77.9	78.2	79.4	74.7	72.9	68.7	54.3			
RUN DBE-MODEL 2	2500	50.0	64.9	68.5	71.1	71.9	72.3	73.4	74.2	73.6	71.3	69.2	67.1	59.5	45.6			
TAPE X20580	3150	39.5	55.2	61.5	65.7	67.1	68.4	67.6	68.8	68.5	63.9	62.1	60.4	51.5	34.5			
FAN TIP SPEED	4000	25.4	43.3	50.8	54.9	57.3	60.7	60.4	60.9	59.8	58.1	53.4	51.1	40.7	17.9			
FT/SEC	5000	18.0	36.8	45.0	49.6	51.6	53.6	54.0	56.0	54.9	52.7	47.6	45.3	34.0	10.1			
	6300	0.1	21.0	31.0	37.5	40.0	43.2	43.0	46.9	45.5	44.4	36.1	34.3	19.8				
	8000			12.2	20.8	25.6	27.7	28.5	35.8	32.6	31.8	20.5	15.9					
	10000					6.6	9.8	11.5	19.8	15.4	13.8							
OVERALL CALCULATED		82.9	86.3	88.1	89.2	90.7	92.2	93.1	94.5	96.0	98.5	102.3	105.8	103.0	95.0			
PND8		84.6	91.5	94.4	96.0	97.8	99.3	99.8	101.4	101.9	102.7	104.6	106.3	101.7	93.7			

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PAGE 1		FULL SCALE DATA REDUCTION PROGRAM																		PROC DATE = MONTH 3 DAY 2 HR: 14:4	
		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL: RUN, DAY = JENOTS)																			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
REV: ALPHA 12/73	FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	PWL		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,			
	50	91,7	90,0	92,1	91,9	93,4	93,7	94,8	96,6	99,6	104,1	106,0	115,3	115,0	111,6				165,8		
NO EGA	63	95,1	94,8	95,3	92,8	94,0	95,9	97,0	99,5	100,9	103,2	109,2	120,6	119,1	115,8				170,2		
RDG: NO, 0,	80	96,8	97,0	96,2	94,0	94,7	95,5	97,6	99,1	101,9	104,7	112,0	121,6	118,7	114,1				170,7		
RADIAL 320, FT,	100	97,0	96,7	96,9	96,8	96,8	97,0	97,9	101,6	102,8	107,3	113,5	122,0	117,7	116,5				171,2		
(98, M)	125	97,1	95,6	97,3	96,4	96,5	98,2	99,2	100,6	103,4	107,3	114,0	119,9	114,6	113,4				169,4		
VEHICLE JENOTS	160	96,5	95,9	96,1	95,8	97,0	97,7	99,2	101,4	102,9	108,1	114,8	122,5	114,2	111,2				171,0		
CONFIG JE=056	200	95,3	95,7	95,7	96,0	96,8	98,2	99,3	101,0	102,8	107,3	113,6	118,7	112,4	108,5				168,2		
LOC EVENDALE	250	96,1	94,8	94,3	96,4	97,2	98,1	98,5	100,6	102,7	106,6	111,9	118,0	110,4	105,5				167,3		
DATE 04-22-75	315	95,6	95,3	95,5	94,5	95,1	96,7	98,0	100,2	102,6	105,8	109,8	115,7	107,2	103,3				165,2		
RUN DBTF=MODEL 2	400	94,8	95,2	95,6	95,8	96,4	96,9	97,6	99,4	101,8	107,7	108,5	114,4	105,4	101,4				164,1		
TYPE X20590	500	93,0	94,5	94,5	94,9	96,0	97,1	97,2	99,5	101,4	104,2	106,6	111,1	101,1	98,1				161,8		
BAR 29,9 HG	630	93,3	95,3	94,7	95,7	95,9	96,9	98,1	99,6	101,9	104,1	105,0	108,9	100,3	98,2				160,9		
(01039, N/42)	800	93,2	96,5	96,4	97,0	97,0	98,1	98,3	99,8	101,2	103,6	104,0	107,8	99,5	98,5				160,5		
TAMR 59, DEG F	1000	93,3	96,6	96,9	98,1	99,3	98,9	99,1	100,5	101,8	103,5	103,0	106,8	100,5	101,0				160,6		
(288, DEG K)	1250	93,6	96,8	97,0	98,6	99,5	100,2	99,8	101,6	102,4	103,7	103,2	107,0	102,0	102,6				161,3		
THET 53, DEG F	1600	92,6	96,6	97,2	97,7	99,1	99,8	100,9	102,7	102,6	103,2	102,1	107,1	102,0	102,7				161,4		
(285, DEG K)	2000	90,9	95,7	95,7	96,3	98,2	99,0	99,6	101,1	102,9	101,8	100,9	106,0	101,5	101,8				160,6		
HACT 8,91 GM/H3	2500	89,9	96,2	96,4	95,2	96,2	96,2	96,8	98,8	99,4	99,2	98,6	103,6	99,6	99,7				158,7		
(.00891 KG/H3)	3150	88,4	96,1	96,4	95,5	94,7	94,5	93,6	97,2	96,7	96,0	95,9	101,6	98,4	98,9				157,4		
FREQ. SHIFT	4000	82,9	89,2	90,0	90,7	90,8	91,3	90,6	93,3	94,0	93,7	93,3	99,7	97,7	96,4				155,1		
JET 9	5000	80,7	86,1	87,1	86,7	87,7	87,3	87,0	95,1	92,0	90,6	91,0	98,4	97,1	97,4				154,3		
DIAMETER RATIO	6300	80,5	84,0	84,5	84,5	84,2	84,7	84,5	93,7	90,9	89,8	91,6	102,6	98,7	99,5				156,9		
DF/DM 8.00	8000	82,2	82,2	82,3	84,0	83,6	83,1	83,1	95,6	91,6	91,0	93,3	103,2	101,2	101,5				160,0		
	10000	83,0	81,8	80,9	82,9	84,4	84,0	84,3	94,7	93,4	92,9	95,0	105,2	103,7	103,2				164,4		
OVERALL CALCULATED		107,3	108,6	108,9	108,9	109,7	110,5	111,2	113,4	114,8	117,8	122,6	129,9	125,5	122,7				179,7		
PND8		119,9	120,0	120,3	120,1	120,5	121,1	121,6	123,2	125,2	126,0	128,1	134,6	129,2	127,8				181,0		

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV: ALPHA 12/73	FREQ:	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)
	50	67.8	68.4	72.0	73.0	75.2	75.9	77.2	78.8	81.3	85.1	86.0	93.7	91.1	84.3			
NO EGA	63	71.1	73.2	75.2	73.8	75.7	78.0	79.3	81.6	82.7	84.2	89.1	99.0	95.1	88.4			
SIDELINE 2400, FT; (761.52 M)	80	72.8	75.2	76.1	74.9	76.4	77.6	79.9	81.2	83.6	83.7	91.8	99.8	94.6	86.5			
	100	72.8	74.8	76.7	77.7	78.4	79.1	80.1	83.7	84.4	88.2	93.2	100.2	93.5	88.7			
NFA 0, RPM	125	72.7	73.7	76.9	77.2	78.1	80.2	81.3	82.6	84.9	88.2	93.6	98.0	90.3	85.4			
(0, RAD/SEC)	160	71.9	73.8	75.6	76.5	78.4	79.6	81.2	83.3	84.4	88.8	94.4	100.4	89.6	82.8			
NFK 0, RPM	200	70.5	73.4	75.0	76.5	78.1	80.0	81.2	82.8	84.2	87.8	93.0	96.4	87.6	79.7			
(0, RAD/SEC)	250	71.0	72.3	73.5	76.8	78.4	79.7	80.3	82.2	83.9	87.0	91.1	95.4	85.2	76.3			
NFD 0, RPM	315	70.0	72.4	74.4	74.6	76.1	78.1	79.5	81.6	83.5	86.0	88.7	92.8	81.6	73.4			
(0, RAD/SEC)	400	68.7	71.9	74.1	75.6	77.1	78.0	78.9	80.6	82.5	85.5	87.0	91.1	79.3	70.7			
AIRFLOW RATIO	500	66.2	70.7	72.7	74.4	76.3	78.0	78.2	80.4	81.7	85.7	84.8	87.3	74.3	66.4			
WF/WM 8.00	630	65.7	70.9	72.3	74.7	75.8	77.3	78.7	80.0	81.8	83.1	82.6	84.5	72.7	65.2			
	800	64.4	71.1	73.3	75.4	76.4	78.0	78.4	79.7	80.5	82.0	80.9	82.5	70.7	63.8			
VEHICLE JENOTS	1000	63.2	70.2	72.9	75.7	78.0	78.2	78.5	79.8	80.5	81.1	79.0	80.4	70.3	64.3			
CONFIG JE-056	1250	61.8	69.1	72.0	75.3	77.4	78.6	78.5	80.1	80.3	80.4	78.2	79.4	70.2	63.4			
LOC EVENDALE	1600	58.3	67.1	70.7	73.1	75.7	77.1	78.4	80.0	79.3	78.6	75.6	77.6	67.8	59.9			
DATE 04-22-75	2000	53.8	64.0	67.4	70.1	73.4	74.9	75.8	77.0	78.1	75.6	72.6	74.3	64.4	54.7			
RUN DBT=MODEL 2	2500	48.6	61.3	65.4	66.7	69.3	70.1	71.0	72.8	72.5	70.7	67.6	68.7	58.3	46.3			
TAPE X20590	3150	40.4	56.1	61.2	63.3	64.5	65.3	64.8	67.9	66.4	63.8	60.7	61.5	50.4	35.4			
FAN TIP SPEED	4000	24.8	41.5	48.4	53.0	55.5	57.3	57.1	59.3	58.7	56.0	51.8	52.0	39.6	17.8			
FT/SEC	5000	16.7	33.9	41.9	45.8	49.5	50.5	50.7	58.4	53.8	49.7	45.8	46.2	33.1	10.0			
	6300		18.7	28.4	34.2	37.4	39.8	40.2	48.8	44.1	39.5	35.6	37.3	17.5				
	8000			9.7	19.3	23.6	25.7	26.5	38.3	31.6	29.2	20.7	17.9					
	10000					6.1	9.2	10.7	20.0	15.1	8.0							
OVERALL CALCULATED		81.7	84.4	86.5	87.7	89.3	90.7	91.7	93.6	95.0	97.7	101.8	107.8	101.1	94.6			
PNDB		84.0	89.1	92.1	94.1	96.3	97.6	98.8	100.5	101.1	101.9	104.3	106.9	100.0	93.3			

		ANGLES FROM INLHT IN DEGREES (AND RADIANS)																PWL			
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	0,		
REV. ALPHA 12/73	FREQ.	(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,	(0,		
	50	90,4	87,7	90,1	89,7	90,4	91,0	92,8	94,6	98,1	102,6	104,8	111,8	113,2	111,4					163,6	
NO EGA	63	93,6	93,6	93,3	91,3	92,2	93,9	95,0	97,0	98,7	101,4	106,0	115,1	115,6	111,3					165,8	
RDG, NO, 0,	80	95,8	95,5	94,2	93,0	93,2	93,8	95,6	96,9	99,7	103,5	111,0	116,8	116,4	113,1					167,5	
RADIAL 320, FT,	100	95,0	95,2	95,9	94,5	95,0	95,5	96,4	99,4	101,0	103,0	111,2	116,3	115,0	115,7					167,4	
(98, M)	125	97,3	95,4	96,0	95,2	95,3	96,9	98,4	99,6	102,1	106,6	112,5	116,9	115,4	113,2					167,7	
VEHICLE JENOTS	160	97,2	96,2	96,6	95,8	96,5	97,2	98,4	101,2	101,7	107,1	113,8	118,5	115,4	111,7					168,7	
CONFIG JE=056	200	96,3	96,2	95,7	96,2	96,6	98,5	99,0	100,5	102,1	106,3	112,6	115,7	114,1	109,7					166,9	
LOC EVENDALE	250	96,3	95,6	94,8	96,4	97,0	97,9	98,3	100,3	102,5	103,6	111,7	115,5	113,4	108,5					166,4	
DATE 04-22-75	315	96,8	96,3	95,8	94,5	95,1	96,4	97,5	99,9	102,3	103,6	109,3	114,7	110,2	105,5					164,9	
RUN DBT=MODEL 2	400	95,6	95,9	95,6	95,8	95,4	96,1	96,8	99,4	101,3	104,4	108,7	112,9	109,4	102,9					163,8	
TAPE X20500	500	94,5	95,3	94,5	94,9	96,0	96,4	96,7	99,0	101,1	104,7	107,1	110,1	104,1	99,3					161,7	
BAR 29,9 HG	630	94,6	95,8	95,4	94,7	95,1	96,2	96,9	98,8	101,4	103,3	106,3	109,2	102,1	96,7					161,1	
(01039, N/M2)	800	92,4	95,5	96,2	96,5	97,5	97,4	96,6	98,3	100,7	103,1	104,8	106,6	99,7	95,2					159,9	
TAMB 59, DEG F	1000	92,5	95,8	95,9	96,6	97,8	98,7	97,8	98,8	100,8	103,0	103,2	104,5	98,2	94,5					159,4	
(288, DEG K)	1250	92,1	95,3	95,3	97,1	98,0	98,7	97,8	101,1	101,2	103,7	103,2	102,8	96,6	93,8					159,6	
TWET 53, DEG F	1600	90,8	94,4	94,7	95,7	97,6	98,1	98,4	101,2	101,9	104,2	102,4	101,1	94,5	92,7					159,5	
(285, DEG K)	2000	88,2	91,7	92,2	93,3	95,2	95,2	96,1	98,1	100,1	103,0	100,2	99,5	93,2	91,1					157,7	
HACT 8,91 GM/M3	2500	84,6	89,4	89,1	90,5	91,0	91,9	92,8	94,8	96,9	99,4	96,8	96,8	90,9	87,9					154,5	
(.00891 KG/M3)	3150	81,7	85,9	86,6	87,2	87,7	89,0	89,4	91,2	94,2	92,7	93,4	94,3	90,9	86,6					152,1	
FREQ, SHIFT	4000	78,6	81,7	82,5	83,2	83,8	85,6	85,6	87,3	91,0	92,9	91,3	91,2	91,5	85,9					150,0	
JET 9	5000	78,4	79,6	79,9	81,4	81,0	81,3	82,2	83,9	90,0	91,1	90,0	90,4	90,6	87,6					148,8	
DIAMETER RATIO	6300	79,3	79,7	78,7	80,0	80,4	80,2	81,0	82,7	90,4	92,6	91,3	91,8	89,4	90,5					150,8	
DF/DM 8,00	8000	81,0	80,9	79,1	81,5	81,8	80,8	81,8	84,1	91,8	93,0	93,3	93,5	91,7	92,3					154,5	
	10000	82,7	81,3	80,1	82,4	83,6	83,0	83,5	85,7	93,1	97,6	94,5	96,0	93,7	94,2					159,2	
OVERALL CALCULATED		107,1	107,6	107,5	107,6	108,4	109,2	109,7	111,8	113,7	117,2	121,6	126,1	124,4	121,6					177,3	
PNDB		114,2	116,2	116,3	116,9	118,0	118,7	119,1	121,4	123,5	129,4	127,3	130,4	127,4	124,4					178,6	

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

REV. ALPHA 12/73	FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,0)	(0,0)	(0,0)
NO EGA	50	66,6	66,1	70,0	70,7	72,2	73,2	75,2	76,8	79,8	83,6	84,7	90,2	89,4	84,1			
SIDELINE 2400, FT.	63	69,6	71,9	73,2	72,3	74,0	76,0	77,3	79,1	80,4	82,5	85,9	93,5	91,6	83,9			
(731,52 M)	80	71,8	73,7	74,1	73,9	74,9	75,9	77,9	79,0	81,4	84,4	90,8	95,1	92,4	85,5			
NFA	100	70,8	73,3	75,7	75,4	76,6	77,6	78,6	81,4	82,7	85,9	91,0	94,4	90,8	87,9			
(0, RPM	125	73,0	73,4	75,7	76,0	76,8	78,9	80,5	81,6	83,7	87,4	92,1	95,0	91,0	85,2			
(0, RAD/SEC)	160	72,7	74,1	76,1	76,5	77,9	79,1	80,4	83,1	83,1	87,8	93,4	96,4	90,9	83,3			
NFK	200	71,5	73,9	75,0	76,8	77,9	80,3	80,9	82,3	83,4	86,8	92,0	93,4	89,3	81,0			
(0, RPM	250	71,2	73,0	74,0	76,8	78,1	79,5	80,0	81,9	83,6	86,0	90,8	92,9	88,2	79,3			
(0, RAD/SEC)	315	71,3	73,4	74,7	76,6	76,1	77,8	79,0	81,3	83,2	85,7	88,2	91,8	84,6	75,6			
NFD	400	69,5	72,6	74,1	75,6	76,1	77,3	78,1	80,6	82,0	85,2	87,3	89,6	83,3	72,2			
(0, RPM	500	67,7	71,4	72,7	74,4	76,3	77,2	77,7	79,9	81,5	84,2	85,3	86,3	77,3	67,7			
(0, RAD/SEC)	630	66,9	71,4	73,0	73,7	75,0	76,6	77,5	79,3	81,3	83,3	83,9	84,7	74,5	63,7			
AIRFLOW RATIO	800	63,6	70,1	73,1	74,9	76,9	77,3	76,6	78,2	80,0	81,5	81,7	81,3	71,0	60,6			
WF/W	1000	62,4	69,5	71,9	74,2	76,5	77,9	77,2	78,0	79,5	80,6	79,3	78,2	68,1	57,8			
VEHICLE JENOTS	1250	60,3	67,6	70,3	73,8	75,9	77,1	76,5	79,6	79,0	80,4	78,2	75,1	64,7	54,6			
CONFIG JE-056	1600	56,6	64,9	68,2	71,1	74,2	75,4	75,9	78,5	78,5	79,6	75,9	71,6	60,3	49,9			
LOC EVENDALE	2000	51,1	60,0	63,9	67,1	70,4	71,2	72,3	74,0	75,3	76,8	71,8	67,8	56,1	43,9			
DATE 04-22-75	2500	43,3	54,5	58,2	62,0	64,1	65,9	67,0	68,8	70,0	69,9	65,8	61,9	49,6	34,5			
RUN DBT MODEL 2	3150	33,6	45,9	51,4	55,1	57,5	59,8	60,5	61,9	63,9	63,5	58,2	54,3	42,9	23,1			
TAPE X20600	4000	20,5	34,0	40,9	45,5	48,5	51,6	52,1	53,3	55,7	55,2	49,8	43,5	33,4	7,3			
FAN TIP SPEED	5000	14,4	27,4	34,6	40,5	42,8	44,5	45,9	47,1	51,8	50,2	44,8	38,2	26,6	0,3			
FT/SEC	6300		14,4	22,7	29,7	33,6	35,3	36,7	37,8	43,6	42,3	35,3	26,5	8,2				
	8000			6,5	16,8	21,9	23,5	25,3	26,8	31,9	30,2	20,7	8,1					
	10000					5,3	8,2	9,9	11,0	14,9	12,8							
OVERALL CALCULATED		81,6	84,1	85,8	86,9	88,3	89,7	90,5	92,5	93,9	96,8	100,7	103,9	99,9	93,6			
PND		84,0	88,0	90,1	92,3	94,5	95,9	96,6	98,7	99,7	101,6	103,6	105,3	99,5	92,3			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0. 0. 0. PWL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)			
REV. ALPHA 12/73	FREQ.	50	89.4	72.0	88.6	87.9	89.9	89.7	91.3	94.1	95.8	100.8	100.8	107.0	111.7	108.1	160.8			
		63	91.3	75.6	91.6	89.3	91.2	91.6	94.0	96.2	98.2	101.4	103.2	110.6	109.6	108.6	161.5			
NO EGA																				
RCG. NO. 0.		80	91.1	76.2	92.0	90.0	91.5	90.8	93.6	95.9	97.9	100.5	105.2	107.8	111.4	112.6	162.2			
RADIAL 320. FT.		100	90.5	76.2	91.6	91.8	92.5	92.5	94.2	97.4	99.0	102.8	105.5	107.0	107.0	106.0	160.1			
(98. Y)		125	91.3	75.1	91.8	92.4	92.0	93.4	95.7	97.1	99.4	103.1	105.2	105.4	106.8	100.9	159.3			
VEHICLE JENOTS		160	90.2	75.9	92.6	92.0	93.0	93.4	95.4	97.4	98.9	103.1	105.3	105.0	105.2	98.9	159.1			
CCNFIG JE-056		200	90.0	76.7	92.4	92.7	93.8	94.2	96.3	97.7	99.3	102.5	103.8	104.0	103.4	98.2	158.4			
LOC EVENDALE		250	91.1	76.8	92.3	94.2	95.0	94.9	95.5	97.8	100.0	102.4	103.7	103.8	101.9	97.8	158.3			
DATE 04-22-75		315	91.1	77.3	94.8	93.5	94.4	94.9	96.2	98.2	101.1	103.1	103.0	104.2	101.4	97.3	158.5			
RLN CBTF-MODEL 2		400	90.8	78.2	94.6	94.8	95.1	95.9	96.8	99.4	101.6	103.9	103.7	104.7	103.6	100.7	159.5			
TAPE X20700		500	90.7	78.3	94.3	94.6	96.0	96.4	97.7	100.5	102.6	104.5	105.1	105.1	104.1	99.8	160.2			
BAR 29.9 HG		630	91.6	79.3	94.4	95.2	96.4	97.7	99.1	102.4	104.2	105.6	105.8	107.0	105.8	101.4	161.6			
401039, N/42)		800	92.2	79.7	95.4	96.0	97.1	98.6	100.1	102.8	104.2	105.6	106.5	107.4	106.8	102.8	162.2			
TAMB 59. DEG F		1000	92.8	80.6	96.6	96.3	97.9	99.9	100.6	103.3	104.8	106.2	106.8	108.3	107.2	103.7	162.9			
(288, DEG K)		1250	94.1	82.3	97.5	98.1	99.0	100.0	100.8	103.4	105.2	106.5	107.0	107.3	107.0	104.1	163.1			
TWET 53, DEG F		1600	94.8	85.1	100.7	99.8	99.8	99.3	101.1	103.2	104.2	105.8	105.9	106.9	106.1	103.8	162.9			
(285, DEG K)		2000	94.7	87.1	102.0	99.3	103.0	99.3	100.4	102.6	102.9	105.1	104.9	105.2	104.5	100.6	162.2			
HACT 8.91 GM/H3		2500	91.6	82.9	100.4	100.4	100.2	98.4	99.0	101.1	101.7	102.2	102.6	102.3	101.9	98.2	160.8			
100891 KG/H3)		3150	88.6	80.3	96.8	97.7	97.7	97.5	96.6	98.9	99.4	99.9	99.1	99.5	99.6	95.6	158.8			
FREQ. SHIFT		4000	84.8	77.4	93.4	92.9	93.7	94.7	94.3	95.7	95.9	97.4	96.8	96.9	96.9	92.1	156.4			
JET 9		5000	82.1	75.3	91.3	91.3	90.9	89.7	90.4	92.8	93.1	93.9	93.4	93.6	94.5	90.5	153.8			
DIAMETER RATIO		6300	78.1	73.8	87.5	87.6	87.7	87.0	87.3	89.5	90.0	92.2	90.7	91.9	92.5	87.8	152.3			
DF/CM 8.00		8000	74.5	74.7	84.6	84.8	83.8	83.1	83.8	86.9	88.6	91.5	89.6	90.0	90.0	87.3	152.2			
		10000	70.3	74.9	80.9	81.0	80.5	80.8	81.4	83.8	87.5	92.5	89.0	89.8	90.3	87.5	154.2			
OVERALL CALCULATED		104.7	93.5	109.3	108.9	109.5	109.8	110.8	113.3	114.7	116.7	117.6	119.2	119.5	117.4	117.0	175.3			
PND8		115.7	106.5	122.0	121.9	122.1	121.6	122.3	124.5	125.6	127.4	127.5	128.2	127.8	124.6					



☆ 10 dB Too Low

ORIGINAL PAGE IS
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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES. (AND RADIANS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																													
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°	250°	260°	270°	280°	290°	300°		
REV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.31)	(3.49)	(3.67)	(3.85)	(4.02)	(4.19)	(4.37)	(4.54)	(4.71)	(4.89)	(5.06)	(5.23)	(5.41)	
	50	85.6	80.4	68.5	69.0	71.7	71.9	73.7	76.3	77.6	81.9	80.7	85.4	87.9	80.8																
NO EGA	63	87.4	83.9	71.5	70.5	73.0	73.8	76.3	78.4	79.9	82.5	83.1	89.0	85.6	81.1																
SIDE LINE 2400 FT	80	87.0	84.5	71.8	70.9	73.2	72.9	75.9	78.0	79.6	81.4	85.1	86.1	87.4	85.0																
(731.52 M)	100	86.3	84.3	71.4	72.6	74.1	74.6	76.4	79.4	80.7	83.6	85.2	85.2	82.8	78.2																
NFA 0 RPM	125	87.0	83.2	71.4	73.2	73.6	75.4	77.8	79.1	80.9	83.9	84.9	83.4	82.5	72.9																
(0. RAD/SEC)	160	85.7	83.8	72.1	72.7	74.4	75.3	77.4	79.3	80.4	83.8	84.9	82.9	80.6	70.6																
NFK 0 RPM	200	85.2	84.4	71.8	73.3	75.1	76.0	78.2	79.5	80.7	83.0	83.2	81.6	78.6	69.5																
(0. RAD/SEC)	250	86.0	84.3	71.5	74.5	76.1	76.5	77.3	79.4	81.1	82.8	82.8	81.2	76.7	68.6																
NFD 0 RPM	315	85.5	84.4	73.7	73.6	75.3	76.3	77.8	79.6	82.0	83.2	81.9	81.3	75.9	67.4																
(0. RAD/SEC)	400	84.7	84.9	73.1	74.6	75.8	77.0	78.1	80.6	82.3	83.7	82.3	81.4	77.5	70.0																
AIRFLOW RATIO	500	84.0	84.5	72.5	74.1	76.3	77.2	78.7	81.4	83.0	84.0	83.3	81.3	77.4	68.2																
WF/WM 8.00	630	84.0	84.8	72.1	74.2	76.3	78.1	79.7	82.8	84.1	84.6	83.4	82.5	78.2	68.5																
	800	83.4	84.4	72.3	74.4	76.4	78.5	80.1	82.7	83.6	84.0	83.4	82.0	78.0	68.1																
VEHICLE JE NOTS	1000	82.7	84.3	72.7	74.0	76.5	79.2	80.0	82.5	83.5	83.9	82.8	82.0	77.1	67.1																
CCNFIG JE 056	1250	82.3	84.6	72.5	74.8	76.9	78.4	79.5	81.8	83.0	83.2	82.0	79.7	75.2	64.9																
LCC EVENDALE	1600	80.6	85.6	74.2	75.2	76.5	76.6	78.7	80.5	80.8	81.2	79.4	77.4	71.9	61.0																
DATE 04-22-75	2000	87.6	85.4	73.6	73.1	75.2	75.4	76.5	78.5	78.1	78.9	76.6	73.5	67.4	53.4																
RUN DBTF-MODEL 2	2500	80.3	88.0	69.4	72.0	73.3	72.4	73.3	75.0	74.8	73.7	71.6	67.4	50.6	44.8																
TYPE X20700	3150	80.6	80.3	61.6	65.5	67.4	68.2	67.7	69.6	69.1	67.8	63.9	59.5	51.6	32.1																
FAN TIP SPEED	4000	26.7	29.7	51.9	55.2	58.4	60.7	60.7	61.8	60.6	59.4	55.2	49.1	38.8	13.5																
FT/SEC	5000	18.1	23.1	46.0	50.4	52.7	52.9	54.1	56.0	54.9	53.0	48.2	41.4	30.5	3.2																
	6300		8.5	31.5	37.3	40.9	42.2	43.0	44.6	43.2	41.9	34.6	26.6	11.3																	
	8000			12.0	20.0	23.9	25.7	27.3	29.5	28.6	26.8	17.0	4.6																		
	10000					2.2	6.1	7.8	9.1	9.2	7.6																				
OVERALL CALCULATED		77.3	66.7	84.8	86.0	87.8	88.9	90.5	92.7	94.0	95.4	95.6	94.0	88.6																	
PNRB		81.4	74.7	93.7	94.8	96.6	97.2	98.6	100.6	101.3	102.1	100.9	99.4	95.4	88.0																



10 dB TOO LOW

ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV: ALPHA 12/73	FREQ.	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	170'	180'	PWL'
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	
NO EGA	50	80.2	63.5	80.3	80.4	81.7	81.7	83.1	85.1	86.8	89.6	89.0	97.8	98.2	98.9	98.9	98.9	149.8
REG. NO. 0.	63	80.3	66.8	83.3	81.8	83.2	83.4	85.7	86.2	87.9	89.4	91.7	101.1	97.3	96.6			151.0
RADIAL 320. FT.	80	80.8	68.0	83.5	82.5	84.2	83.8	85.4	87.4	88.7	89.7	93.0	99.3	97.7	100.6			151.1
(98. 4)	100	81.0	67.9	83.6	84.0	84.8	84.3	85.9	88.6	89.5	92.0	93.5	99.5	96.0	94.7			150.5
VEHICLE JENOTS	125	82.6	67.4	84.3	84.1	84.8	85.9	86.9	89.1	90.1	92.8	94.5	98.4	95.1	90.7			150.2
CCNFIG JE#056	160	82.7	68.9	85.6	85.0	86.0	86.2	87.7	88.9	89.7	92.6	95.3	98.5	93.9	89.9			150.3
LOC EVEN DALE	200	82.3	70.0	86.2	86.0	87.6	87.7	88.3	89.7	90.8	93.8	94.8	98.0	91.9	89.0			150.3
DATE 04-22-75	250	84.6	70.8	87.3	88.7	89.7	89.4	89.0	90.6	92.2	94.6	95.9	99.8	93.9	90.3			151.8
RUN DBTF-MODEL 2	315	85.6	72.8	90.5	89.2	89.4	89.7	90.2	91.4	93.3	95.8	96.8	101.0	95.2	91.3			152.9
TAPE X20710	400	86.1	73.9	90.6	90.8	90.1	90.6	91.6	93.7	94.1	97.4	97.5	101.9	96.6	94.4			154.1
BAR 29.9 HG	500	85.5	73.8	90.1	89.6	91.0	91.9	92.7	95.0	96.1	98.2	98.4	102.6	97.4	94.3			155.0
(31039, N/Y2)	630	85.8	74.6	89.9	90.2	91.6	92.9	93.9	96.1	98.2	99.3	100.5	104.2	98.8	95.9			156.5
YAMB 59, DEG F	800	87.2	75.7	91.4	92.0	93.1	94.6	94.1	97.5	98.5	101.1	101.0	105.6	101.0	97.3			157.8
(288, DEG K)	1000	87.6	76.9	92.4	92.6	95.1	95.7	95.3	98.0	99.1	102.5	102.0	106.6	102.0	99.7			159.0
YWET 53, DEG F	1250	89.8	77.8	93.5	93.6	96.3	96.7	96.6	99.4	100.2	102.5	102.7	107.1	103.0	101.4			159.9
(285, DEG K)	1600	89.3	78.6	94.5	94.2	96.1	96.8	97.6	99.5	100.9	101.8	102.7	107.1	103.6	102.2			160.2
WACT 8.91 GH/H3	2000	88.7	80.1	94.5	94.1	96.5	96.5	97.4	99.9	100.4	102.1	101.4	106.2	102.7	101.1			159.9
(4.00891 KG/H3)	2500	90.1	81.9	96.1	94.9	95.7	94.9	95.8	98.3	98.9	99.2	100.1	104.1	100.4	98.2			158.3
FREQ. SHIFT	3150	89.4	82.1	98.3	96.5	95.5	94.2	93.9	95.6	95.9	96.9	96.6	101.5	98.1	95.6			157.2
JET 9	4000	82.3	75.4	91.4	92.4	92.9	92.5	90.6	93.0	92.6	94.1	93.5	97.9	95.2	91.8			154.5
DIAMETER RATIO	5000	80.1	74.0	87.8	88.1	88.6	88.2	87.1	89.8	89.6	90.4	89.9	94.3	91.8	89.8			151.3
DF/DM 8.00	6300	76.8	73.3	86.0	85.8	85.0	84.5	84.6	86.8	86.8	87.7	86.7	91.6	89.2	86.6			149.7
OVERALL CALCULATED	8000	72.7	74.2	82.6	82.8	82.1	81.3	81.3	83.9	83.6	85.5	83.6	88.3	87.0	84.5			148.7
PNDB	10000	69.5	74.6	79.2	79.5	79.7	78.8	79.1	81.8	80.5	84.5	81.3	84.8	84.0	81.7			148.8
		99.4	89.7	104.9	104.4	105.6	105.8	106.1	108.5	109.4	111.3	111.7	116.2	112.2	110.5			169.2
		112.0	103.7	119.2	118.2	118.4	117.9	118.2	120.6	121.3	122.8	123.0	127.4	123.7	121.7			170.5



☆ 10 dB TOO LOW

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

REV.	ALPHA 12/73	FREQ.	30° (0.52)	40° (0.70)	50° (0.87)	60° (1.05)	70° (1.22)	80° (1.40)	90° (1.57)	100° (1.75)	110° (1.92)	120° (2.09)	130° (2.27)	140° (2.44)	150° (2.62)	160° (2.79)	0° (0.0)	0° (0.0)	0° (0.0)
-	NO EGA	50	56.3	41.9	60.3	61.5	63.4	63.9	65.4	67.3	68.6	70.6	69.0	76.2	74.4	71.6			
-	SIDELINE 2400 FT	63	56.4	45.2	63.2	62.8	65.0	65.5	68.0	68.4	69.7	70.5	71.6	79.5	73.4	69.1			
-	(731.52 M)	80	56.8	46.2	63.3	63.4	65.9	65.9	67.6	69.5	70.4	70.7	72.8	77.6	73.6	73.0			
-	NFA 0 RPM	100	56.8	46.1	63.4	64.9	66.4	66.3	68.1	70.7	71.2	72.9	73.2	77.7	71.8	66.9			
-	(0 RAD/SEC)	125	58.2	45.4	63.9	65.0	66.3	67.9	69.0	71.1	71.7	73.6	74.1	76.4	70.8	62.6			
-	NFK 0 RPM	160	58.2	46.8	65.1	65.7	67.4	68.1	69.7	70.8	71.1	73.3	74.9	76.3	69.4	61.6			
-	(0 RAD/SEC)	200	57.5	47.6	65.5	66.5	68.9	69.5	70.2	71.5	72.2	74.3	74.2	75.6	67.1	60.2			
-	NFD 0 RPM	250	59.5	48.3	66.5	69.0	70.9	71.0	70.8	72.2	73.4	75.0	75.1	77.2	68.7	61.1			
-	(0 RAD/SEC)	313	60.0	49.9	69.4	69.4	70.3	71.1	71.8	72.8	74.2	76.0	75.7	78.1	69.6	61.4			
-	AIRFLOW RATIO	400	60.0	50.6	69.1	70.6	70.8	71.8	72.9	74.8	74.8	77.2	76.0	78.6	70.5	63.7			
-	WF/W 8.00	500	58.7	50.0	68.2	69.1	71.3	72.7	73.7	75.9	76.5	77.7	76.5	78.8	70.6	62.7			
-	VEHICLE JENOTS	630	58.2	50.1	67.6	69.2	71.5	73.3	74.5	76.5	78.1	78.3	78.1	79.7	71.2	63.0			
-	CCNFIG JE#056	800	58.4	50.4	68.3	70.4	72.4	74.5	74.1	77.4	77.8	79.5	77.9	80.3	72.3	62.6			
-	LCC EVENDALE	1000	57.5	50.5	68.4	70.2	73.8	74.9	74.8	77.3	77.8	80.1	78.1	80.2	71.9	63.1			
-	DATE 04-22-75	1250	58.0	50.1	68.5	70.3	74.1	75.2	75.2	77.8	78.0	79.2	77.7	79.4	71.2	62.2			
-	RLN CBTF-MODEL 2	1600	55.1	49.1	68.0	69.6	72.7	74.1	75.2	76.8	77.5	77.2	76.1	77.6	69.4	59.4			
-	TAPE X20710	2000	51.6	48.4	66.1	67.9	71.7	72.4	73.5	75.8	75.6	75.9	73.1	74.5	65.6	53.9			
-	FAN TIP SPEED	2500	48.8	47.0	65.1	66.5	68.8	68.9	70.0	72.3	72.0	70.7	69.1	69.2	59.1	44.8			
-	FT/SEC	3150	41.3	42.1	63.1	64.3	65.2	65.0	65.0	66.4	65.6	64.8	61.4	61.5	50.1	32.1			
-	OVERALL CALCULATED	4000	24.2	27.7	49.9	54.7	57.6	58.5	57.0	59.0	57.3	56.4	52.0	50.1	37.0	13.2			
-	PNRB	5000	16.1	21.8	42.5	47.2	50.4	51.4	50.8	53.0	51.4	49.5	44.7	42.1	27.8	2.4			
-		6300		8.0	30.0	35.5	38.2	39.7	40.3	41.9	40.0	37.4	30.6	26.3	8.0				
-		8000			10.0	18.0	22.1	24.0	24.8	26.5	23.6	20.8	11.0	2.9					
-		10000					1.4	4.1	5.5	7.1	2.2								
-	OVERALL CALCULATED	70.2	61.1	79.4	80.8	83.1	84.2	84.9	87.0	87.5	88.8	87.9	90.5	83.5	78.3				
-	PNRB	75.5	69.2	88.2	89.7	92.4	93.3	94.0	96.2	96.3	96.9	95.5	97.4	89.0	79.8				



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10 dB TOO LOW

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY - JENQTS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,		
NO EGA	50	74.9	72.7	70.8	76.2	77.4	77.9	79.1	81.3	82.3	84.8	83.5	88.8	91.7	89.1				142.9	
RDG, NO, 0,	63	75.3	76.1	78.3	77.0	78.2	79.4	80.5	81.7	82.9	84.4	86.2	91.4	91.1	88.1				143.7	
RADIAL 320, FT.	80	76.5	78.2	79.2	78.9	80.2	79.5	81.8	82.9	84.4	85.2	87.9	90.3	91.6	88.0				144.2	
(98, M)	100	77.0	78.4	79.1	80.0	80.8	80.3	81.4	84.1	85.0	87.8	89.7	89.3	89.2	90.5				144.6	
VEHICLE JENQTS	125	79.1	77.9	80.8	80.4	81.0	82.2	83.7	84.3	86.1	88.8	90.0	89.9	89.1	86.2				145.0	
CONFIG JE-058	160	78.7	79.2	81.4	81.3	82.2	83.4	83.9	85.4	85.9	89.1	92.1	90.7	89.2	86.4				145.8	
LQC EVENDALE	200	79.3	81.5	83.2	83.5	84.6	85.7	85.5	86.7	87.3	89.8	91.6	90.0	89.6	86.7				146.4	
DATE 04-29-75	250	82.1	81.6	84.8	87.4	88.0	87.6	87.3	88.3	88.5	91.4	92.7	92.3	91.4	88.0				148.3	
RUN DBTF-MODEL 2	315	82.1	84.8	87.5	87.5	87.1	87.2	88.0	89.4	90.6	92.6	93.5	93.0	91.4	88.8				149.1	
TAPE X20720	400	82.8	85.2	87.8	88.3	88.1	88.4	89.3	90.4	91.3	93.9	94.5	94.2	92.9	90.2				150.2	
BAR 29.5 HG	500	81.3	84.8	87.3	87.6	88.5	89.4	90.2	91.8	93.1	95.2	95.4	94.6	93.9	91.3				151.2	
(99583, N/M2)	630	82.3	85.8	87.4	88.7	88.9	90.4	91.9	93.1	95.2	97.6	97.3	96.7	95.3	93.2				153.0	
TAMB 68, DEG F	800	83.7	86.5	89.2	90.3	90.8	92.4	92.8	94.3	95.5	98.9	98.5	97.9	97.0	95.0				154.3	
(293, DEG K)	1000	84.1	88.1	90.4	91.1	92.6	93.7	94.1	95.8	96.6	100.2	99.5	98.8	98.7	98.2				155.8	
THET 54, DEG F	1250	85.6	88.8	91.1	91.9	93.6	94.5	95.3	96.9	98.0	100.3	100.7	100.3	99.8	99.4				156.8	
(285, DEG K)	1600	85.6	89.4	91.5	92.2	93.6	94.6	96.4	97.5	98.4	100.5	100.7	100.4	100.6	100.0				157.4	
HACT 0, GH/M3	2000	85.0	89.0	90.5	91.1	93.0	94.3	95.9	97.4	97.7	99.3	99.2	100.0	100.5	99.1				156.9	
(, KG/M3)	2500	83.7	90.5	91.7	92.0	92.2	92.7	94.1	95.6	96.7	97.7	97.4	97.9	100.2	98.5				155.9	
FREQ, SHIFT	3150	82.7	91.4	92.4	91.5	91.2	91.5	91.4	92.9	94.4	95.0	94.2	95.1	96.2	95.9				154.1	
JET 9	4000	77.9	86.7	88.7	89.4	88.2	89.3	89.1	90.3	90.4	92.7	91.3	92.2	93.2	91.4				151.8	
DIAMETER RATIO	5000	74.6	83.1	85.6	86.4	86.7	86.5	85.9	87.3	88.2	89.0	87.7	88.4	90.3	89.6				149.3	
DF/DM 8.00	6300	71.9	79.6	82.6	82.9	82.3	83.1	82.9	84.8	84.8	87.2	84.7	86.4	87.8	86.4				147.6	
OVERALL CALCULATED	8000	69.3	76.5	78.4	78.8	78.6	78.9	78.9	82.9	82.2	86.6	82.4	83.8	85.5	84.1				147.1	
PND8	10000	68.8	72.2	73.7	75.0	75.0	75.6	76.2	82.8	80.0	87.3	80.6	82.8	84.1	82.0				148.6	
	95.2	99.4	101.4	101.8	102.6	103.5	104.4	105.8	106.8	109.1	109.1	109.0	109.1	107.9					166.0	
	106.9	113.0	113.7	114.6	114.8	115.5	116.4	118.0	118.9	120.7	120.3	120.7	121.8	120.2					167.3	

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30, (0.52)	40, (0.70)	50, (0.87)	60, (1.05)	70, (1.22)	80, (1.40)	90, (1.57)	100, (1.75)	110, (1.92)	120, (2.09)	130, (2.27)	140, (2.44)	150, (2.62)	160, (2.79)	0, (0)	0, (0)	0, (0)
NO EGA	50	51.1	51.1	58.8	57.2	59.2	59.7	61.4	63.5	64.1	65.9	63.5	67.2	67.9	61.8			
SIDELINE 2400, FT,	63	51.4	54.4	58.2	58.0	60.0	61.5	62.8	63.9	64.7	65.5	66.1	69.7	67.1	60.6			
(731.52 M)	80	52.3	56.5	59.1	59.9	61.9	61.6	64.1	65.0	66.1	66.2	67.8	68.6	67.6	60.5			
NFA	100	52.8	56.6	58.9	60.9	62.4	62.3	63.6	66.2	66.7	68.6	69.5	67.4	65.0	62.7			
(0, RAD/SEC)	125	54.7	55.9	60.4	61.2	62.6	64.2	65.8	66.3	67.7	69.7	69.6	67.9	64.8	58.1			
NFK	160	54.2	57.1	60.9	62.0	63.7	65.3	65.9	67.3	67.4	69.8	71.6	68.6	64.6	58.1			
(0, RAD/SEC)	200	54.5	59.2	62.5	64.0	65.9	67.5	67.4	68.5	68.6	70.3	71.0	67.6	64.8	58.0			
NFD	250	57.0	59.0	64.0	67.8	69.1	69.2	69.0	69.9	69.6	71.8	71.8	69.7	66.2	58.8			
(0, RAD/SEC)	315	56.5	61.9	66.4	67.6	68.1	68.6	69.5	70.8	71.5	72.7	72.4	70.1	65.9	58.9			
AIRFLOW RATIO	400	56.7	61.9	66.4	68.1	68.8	69.5	70.6	71.6	72.0	73.7	73.0	70.9	66.8	59.5			
WF/WM 8.00	500	54.5	61.0	65.5	67.1	68.8	70.2	71.2	72.6	73.5	74.7	73.5	70.8	67.1	59.7			
	630	54.7	61.4	65.1	67.7	68.8	70.8	72.5	73.5	75.1	76.6	74.9	72.2	67.7	60.2			
	800	54.9	61.2	66.1	68.7	70.2	72.3	72.9	74.2	74.8	77.2	75.4	72.5	68.3	60.4			
VEHICLE JENOTS	1000	54.0	61.8	66.4	68.7	71.3	72.9	73.5	75.0	75.3	77.9	75.6	72.5	68.6	61.6			
CONFIG JE-058	1250	53.8	61.1	66.0	68.6	71.4	72.9	74.0	75.3	75.8	77.0	75.7	72.7	68.0	60.2			
LOC EVENDALE	1600	51.4	59.9	65.0	67.6	70.2	71.9	73.9	74.8	75.1	75.9	74.2	70.9	66.4	57.2			
DATE 04-29-75	2000	47.9	57.3	62.2	64.9	68.2	70.2	72.1	73.3	72.8	73.1	70.9	68.3	63.4	52.0			
RUN DBIF=MODEL 2	2500	42.6	55.6	60.7	63.5	65.3	66.7	68.3	69.6	69.8	69.2	66.4	63.0	58.9	45.0			
TAPE X20720	3150	34.6	51.4	57.2	59.3	61.0	62.3	62.5	63.7	64.1	62.8	59.0	55.0	48.1	32.4			
FAN TIP SPEED	4000	19.7	39.0	47.2	51.7	52.9	55.3	55.5	56.3	56.1	55.0	49.8	44.4	35.1	12.8			
ET/SEC	5000	20.6	38.9	40.3	45.5	48.5	49.7	49.6	50.6	50.0	48.1	42.5	36.2	26.3	2.2			
	6300		14.3	26.6	32.6	35.5	38.2	38.6	39.9	38.0	36.9	28.7	21.1	6.6				
	8000			5.8	14.1	18.7	21.5	22.3	25.6	22.2	21.8	9.8						
	10000						0.9	2.6	8.1	1.7	2.4							
OVERALL CALCULATED		66.5	72.0	76.4	78.6	80.4	81.9	83.0	84.2	84.7	86.2	85.0	82.6	79.1	72.1			
PNOB		71.5	79.5	84.5	87.0	89.2	90.9	92.2	93.4	93.5	94.5	92.9	89.9	85.5	76.7			

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC: DATE = MONTH 88 DAY 0 HR. 0:0
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL		
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
REV: ALPHA 12/73		FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)
NO EGA		20	94.2	92.2	94.8	94.4	95.9	98.2	99.3	100.6	103.8	108.6	109.3	105.0	107.5	109.6	109.6	109.6	109.6	109.6	109.6
RDG: NO. 0.		63	98.3	98.3	97.8	96.5	97.0	97.9	99.5	101.7	102.9	106.4	112.0	108.1	110.3	104.8	104.8	104.8	104.8	104.8	104.8
RADIAL 320. FT.		80	100.6	99.7	99.4	98.4	99.2	99.0	101.1	102.9	105.2	108.9	114.4	109.6	110.9	107.3	107.3	107.3	107.3	107.3	107.3
{ 98.4 }		100	102.0	100.2	100.1	100.0	100.5	100.3	101.4	104.4	106.0	110.3	114.7	108.3	109.0	111.5	111.5	111.5	111.5	111.5	111.5
VEHICLE JENOTS		125	102.8	100.6	100.8	100.4	100.5	101.9	104.2	104.6	106.9	112.1	115.0	107.4	108.1	107.7	107.7	107.7	107.7	107.7	107.7
PCNFJ JE#05?		160	101.0	100.7	100.4	100.5	101.5	102.2	103.7	104.7	107.4	111.9	116.3	108.2	107.4	105.9	105.9	105.9	105.9	105.9	105.9
LOC EVENDALE		200	99.8	100.2	99.9	101.2	101.3	102.5	104.0	105.7	107.3	110.8	113.8	104.5	105.6	104.0	104.0	104.0	104.0	104.0	104.0
DATE 05-02-75		250	100.6	99.8	98.5	101.4	101.2	102.6	103.5	105.6	107.5	110.9	112.9	103.8	104.6	103.3	103.3	103.3	103.3	103.3	103.3
RUN DBTE=MODEL 2		313	98.1	98.8	99.5	99.0	99.6	100.9	103.0	104.9	107.3	110.3	111.0	102.0	101.2	100.3	100.3	100.3	100.3	100.3	100.3
TAPE X20730		400	97.3	98.9	98.3	99.3	99.6	101.1	102.6	103.9	106.1	109.7	110.2	100.4	100.1	98.7	98.7	98.7	98.7	98.7	98.7
BAR 29.5 HG		500	95.5	97.0	97.1	98.4	99.0	100.6	102.0	103.8	105.9	109.0	108.1	98.4	97.6	96.8	96.8	96.8	96.8	96.8	96.8
{ 99583, N/42 }		630	94.3	96.1	96.2	97.7	98.6	100.7	101.6	103.9	106.2	108.6	108.0	97.2	96.6	95.4	95.4	95.4	95.4	95.4	95.4
TAM8 68. DEG F		800	93.4	95.2	95.7	97.5	98.6	100.1	100.8	103.1	105.0	107.6	106.8	96.1	95.8	94.5	94.5	94.5	94.5	94.5	94.5
{ 293, DEG K }		1000	92.1	94.9	95.6	96.9	98.6	99.4	100.6	102.3	104.1	106.2	105.0	94.6	95.5	94.7	94.7	94.7	94.7	94.7	94.7
TWET 54. DEG F		1250	91.3	93.8	94.3	96.1	97.8	98.5	99.3	101.4	102.7	105.0	103.7	93.6	94.5	94.1	94.1	94.1	94.1	94.1	94.1
{ 285, DEG K }		1600	89.1	91.9	92.8	94.5	95.6	96.9	98.4	99.8	101.4	103.5	101.9	91.9	93.1	92.7	92.7	92.7	92.7	92.7	92.7
HACT 0. GH/M3		2000	86.5	89.3	90.5	92.3	94.0	95.3	96.4	98.4	99.9	101.1	100.0	90.5	91.0	90.4	90.4	90.4	90.4	90.4	90.4
{ KG/M3 }		3120	83.4	86.5	87.4	89.7	90.7	91.9	93.8	95.3	96.7	98.7	97.9	87.6	88.2	87.5	87.5	87.5	87.5	87.5	87.5
FREQ: SHIFT		4000	79.9	83.9	84.6	86.5	87.0	89.0	90.4	92.2	94.2	95.5	93.7	85.3	85.7	84.6	84.6	84.6	84.6	84.6	84.6
JET 9		5000	76.1	79.7	80.5	82.2	82.7	85.8	86.4	89.0	89.7	91.9	90.3	82.7	83.2	80.9	80.9	80.9	80.9	80.9	80.9
DIAMETER RATIO		6300	74.1	76.6	77.6	79.4	80.2	81.0	82.7	85.1	85.9	89.0	86.1	82.1	82.6	80.1	80.1	80.1	80.1	80.1	80.1
DE/CM--6.00		8000	74.9	75.1	74.6	76.6	77.1	77.9	79.9	84.1	83.3	89.7	83.5	84.2	84.0	81.6	81.6	81.6	81.6	81.6	81.6
OVERALL CALCHLATED		10000	76.3	75.0	74.4	77.3	77.9	76.1	78.4	85.9	83.2	91.6	83.6	87.1	86.3	84.1	84.1	84.1	84.1	84.1	84.1
PNB		10000	77.8	75.2	74.2	76.7	80.0	77.6	79.4	88.8	84.5	93.8	85.3	89.1	89.1	86.8	86.8	86.8	86.8	86.8	86.8
		10000	110.6	110.3	110.3	110.9	111.5	112.6	114.1	115.8	117.9	121.4	124.0	116.8	117.8	116.5	116.5	116.5	116.5	116.5	116.5
		10000	115.4	110.3	110.3	117.6	118.7	119.8	121.2	123.2	124.8	127.7	128.4	120.5	120.7	120.2	120.2	120.2	120.2	120.2	120.2

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
BEV, ALPHA 12/73	PREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,
NO EGA	50	70.3	70.6	74.8	75.5	77.7	78.4	81.7	82.8	85.6	89.6	89.2	83.4	83.6	78.3		
SIDELINE 2400 FT	80	74.4	76.7	77.7	77.5	78.7	80.0	81.8	83.9	84.7	87.5	91.9	86.5	86.4	77.4		
(731.52 M)	100	76.8	78.0	79.3	79.4	80.9	81.1	83.4	85.0	86.9	89.9	94.3	87.8	86.9	79.7		
BFA 0, RPM	125	77.8	78.3	79.9	80.9	82.1	82.3	83.6	86.4	87.7	91.4	94.5	86.4	84.8	83.7		
(0, RAD/SEC)	150	78.5	78.7	80.4	81.2	82.1	81.9	85.3	86.6	88.1	91.9	94.6	85.4	83.8	79.6		
NFK 0, RPM	200	76.4	78.6	79.9	81.2	82.9	83.1	85.7	86.6	88.8	92.6	95.9	86.1	82.9	77.6		
(0, RAD/SEC)	220	75.0	77.9	79.3	81.8	82.6	84.3	85.9	87.5	88.6	91.3	93.2	82.1	80.8	75.2		
BFD 0, RPM	315	75.5	77.3	77.7	81.8	82.4	84.2	85.3	87.2	88.6	91.3	92.1	81.2	79.5	74.1		
(0, RAD/SEC)	400	72.5	75.9	78.4	79.1	80.6	82.3	84.3	86.3	88.2	90.5	89.9	79.1	75.6	70.4		
AIRFLOW RATIO	500	71.2	75.6	76.9	79.1	80.3	82.3	83.9	85.1	86.8	89.5	88.8	77.1	74.0	68.0		
WF/KM 8.00	650	68.7	73.2	75.2	77.9	79.3	81.5	82.9	84.6	86.2	88.5	86.3	74.6	70.9	65.2		
	800	66.7	71.8	73.8	76.7	78.5	81.1	82.2	84.3	86.1	87.6	85.7	72.7	69.0	62.5		
VEHICLE JENOTS	1000	64.7	69.9	72.6	75.9	77.9	80.0	80.9	82.9	84.3	86.0	83.7	70.8	67.0	59.9		
CONFIG JE=059	1250	62.0	68.5	71.7	74.5	77.3	78.7	80.0	81.3	82.8	83.9	81.1	68.5	65.4	58.1		
LCC EVENDALE	1600	59.5	66.1	69.3	72.8	75.6	76.9	78.0	79.8	80.6	81.7	78.7	65.9	62.7	54.9		
DATE 05-02-75	2000	54.9	62.4	66.2	69.9	72.2	74.2	75.9	77.1	78.1	78.9	75.4	62.4	58.9	49.9		
BLN DBTF=MODEL 2	2500	49.4	57.6	62.2	66.1	69.2	71.2	72.6	74.3	75.1	74.9	71.6	58.8	53.9	43.2		
TAPE X20730	3150	42.1	51.6	56.4	61.2	63.8	65.9	68.0	69.3	69.8	70.2	66.9	52.7	46.9	34.0		
FAN TIP SPEED	4000	31.9	43.9	49.4	54.3	56.7	59.8	61.5	62.9	63.9	63.3	58.5	45.3	37.6	21.1		
FT/SEC	5000	28.0	32.0	38.9	44.5	47.4	51.8	52.8	55.1	54.4	54.2	48.8	34.9	25.1	2.3		
	6300	20.1	24.4	32.3	38.5	42.0	44.2	46.4	48.3	47.7	48.1	41.0	29.9	18.6			
	8000	9.8	18.6	26.3	30.3	33.0	35.6	39.2	36.5	39.4	27.4	18.9	2.8				
	10000	1.8	12.6	17.9	18.8	21.8	28.6	23.2	26.8	11.0	1.7						
OVERALL CALCULATED		85.7	87.7	89.3	90.9	92.3	93.8	95.5	97.0	98.6	101.6	103.3	94.7	93.4	88.3		
PND8		86.9	90.3	92.4	95.0	96.4	98.3	99.9	101.5	103.0	105.2	105.4	95.1	92.3	87.7		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
SPL INPUT AT STD		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
BEV, ALPHA 12.73	FREQ.	20	86.4	85.7	86.3	87.2	87.9	89.2	91.3	93.8	96.3	101.1	102.5	108.0	110.7	108.4			160.9	
NO EGA	43	91.1	91.3	90.3	89.8	89.5	90.9	92.5	95.2	96.2	100.4	105.5	112.4	113.3	108.1				163.5	
REG. NO. 01	80	94.1	92.9	92.7	92.12	92.2	91.7	94.1	95.6	98.4	103.2	108.9	113.8	114.6	110.3				165.3	
RADIAL 320, FT.	100	95.0	93.9	93.9	93.5	94.0	93.5	95.4	98.4	99.5	104.5	109.7	113.0	113.7	114.7				165.6	
(98, M)	125	97.6	94.9	93.3	94.7	94.5	95.4	97.2	98.3	100.6	106.3	111.2	113.4	113.6	111.7				165.7	
VEHICLE JENOTS	140	96.7	96.2	95.6	95.3	95.7	96.4	97.4	98.9	101.2	106.9	112.3	115.5	115.9	111.3				166.8	
CONFIG JE=059	200	96.8	95.7	94.9	95.2	95.8	97.0	98.3	99.7	102.1	105.8	110.3	112.7	113.1	110.3				165.2	
P.C. EVENDALE	250	96.8	95.8	94.3	96.4	96.7	97.1	97.5	99.8	101.7	105.9	109.4	112.5	113.4	109.8				165.0	
DATE 05-02-75	313	94.3	94.6	94.0	94.0	94.4	95.4	97.2	99.2	101.6	105.1	106.8	110.2	110.2	107.5				162.9	
BUN DBTF=MODEL 2	400	93.1	93.9	93.1	93.8	94.1	95.1	96.8	98.4	100.6	105.2	106.2	108.7	108.6	105.7				161.8	
TYPE - X20740	500	90.3	92.0	91.6	92.4	93.7	95.1	96.2	98.3	100.6	104.2	104.9	106.9	106.1	103.3				160.4	
BAR 29.5 HG	630	90.1	91.1	90.7	91.7	92.4	94.4	96.1	98.4	100.9	103.6	104.0	105.7	105.3	101.7				159.8	
(99583, N/M2)	800	98.2	91.0	90.4	92.0	93.3	94.4	95.3	97.3	99.5	102.6	102.8	104.1	104.0	101.0				158.7	
YAMB 68, DEG F	1000	97.6	93.4	89.6	91.6	92.4	94.7	94.8	97.0	99.1	101.2	101.3	103.1	103.5	101.2				157.9	
(293, DEG K)	1230	96.8	88.8	89.1	90.6	92.1	92.7	93.6	96.4	98.5	100.3	100.2	101.1	102.8	100.6				157.1	
THET 54, DEG F	1600	94.9	87.4	88.0	89.5	90.6	94.6	93.2	95.0	96.7	98.8	98.4	99.4	100.3	99.0				155.6	
(285, DEG K)	2000	92.0	84.8	85.3	87.1	88.8	89.5	91.4	93.1	94.7	96.3	96.2	98.0	98.8	96.9				153.8	
HACT 0, GM/M3	2500	78.7	82.0	82.4	84.2	85.5	86.7	89.1	89.8	92.5	94.0	94.1	95.4	96.2	94.2				151.6	
(1, KG/M3)	3120	76.2	78.6	79.6	81.2	82.2	83.5	85.1	87.4	88.7	90.5	90.4	92.6	93.7	91.4				148.9	
FREQ. SHIFT	4000	72.9	75.2	75.5	77.4	78.0	80.5	81.6	84.5	85.8	87.9	87.6	89.2	90.5	87.6				146.5	
JET 9	5000	71.4	73.1	73.3	74.9	75.4	78.2	77.9	81.6	82.4	85.9	84.2	86.9	88.6	86.6				144.4	
DIAMETER RATIO	6300	71.6	72.3	71.8	72.9	74.3	74.4	76.4	82.1	80.6	86.5	83.0	86.7	87.3	85.1				145.1	
DF/CM 8.00	8000	73.5	73.5	72.4	73.6	76.4	74.9	76.9	84.7	81.7	89.1	83.9	87.6	87.8	85.3				148.4	
OVERALL CALCULATED	10000	74.6	74.4	74.0	75.0	77.5	77.1	78.2	87.1	83.3	91.5	85.6	89.8	89.6	86.5				153.1	
PNB	105.6	105.2	104.8	105.3	105.8	106.7	108.1	110.1	112.6	116.2	119.7	122.9	123.2	120.8					175.3	
	111.1	111.5	111.3	112.4	113.3	114.3	115.8	118.1	119.7	123.0	124.6	127.3	127.8	124.1					176.6	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	0,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	(0)
SPL INPUT AT STU	REV, ALPHA 12/73	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0
NO EGA	63	62.6	64.1	66.3	68.2	69.7	71.4	73.7	76.0	78.1	82.1	82.5	86.4	86.9	81.1				
SIDELINE 2400. FT	80	67.1	69.7	70.2	70.8	71.2	73.0	74.8	77.4	77.9	81.5	85.4	90.7	89.4	80.8				
{731.52 M}	100	70.0	71.2	72.6	73.2	73.9	73.9	76.4	77.7	80.1	84.2	88.8	92.1	90.6	82.7				
NFA 0, RPM	125	70.8	72.1	73.7	74.4	75.6	75.6	77.6	80.4	81.2	85.4	89.5	91.2	89.5	86.9				
(0, RAD/SEC)	150	73.2	72.9	74.9	75.5	76.1	77.4	79.3	80.3	82.2	87.1	90.9	91.4	89.3	83.6				
NFK 0, RPM	200	72.2	74.1	75.1	76.0	77.2	78.3	79.4	80.8	82.6	87.6	91.9	93.4	89.4	82.8				
(0, RAD/SEC)	250	72.0	73.4	74.3	75.8	77.1	78.8	80.2	81.5	83.4	86.3	89.7	90.4	88.3	81.7				
BFD 0, RPM	313	71.7	73.3	73.5	76.8	77.9	78.7	79.3	81.4	82.9	86.3	88.6	89.9	88.2	80.6				
(0, RAD/SEC)	400	68.8	71.7	72.9	74.1	75.3	76.8	78.8	80.6	82.5	85.2	85.7	87.3	84.6	77.6				
AIRFLOW RATIO	500	67.0	70.6	71.6	73.6	74.8	76.3	78.1	79.6	81.3	85.0	84.8	85.4	82.5	75.0				
WE/WM 8.00	630	63.5	68.2	69.7	71.9	74.1	76.0	77.2	79.1	81.0	83.7	83.0	83.1	79.4	71.7				
	800	62.5	66.8	68.3	70.7	72.3	74.8	76.7	78.8	80.8	82.6	81.7	81.2	77.7	68.7				
VEHICLE JENOTS	1000	59.4	65.7	67.3	70.4	72.7	74.3	75.4	77.2	78.8	81.0	79.7	78.8	75.3	66.4				
CONFIG JE4029	1250	57.5	64.0	65.7	69.2	71.0	72.9	74.3	76.3	77.8	78.9	77.3	76.7	73.4	64.6				
LCC EVENDALE	1600	55.0	61.1	64.0	67.3	69.9	71.2	72.2	74.8	76.3	77.0	75.2	73.4	71.0	61.4				
DATE 05-02-75	2000	50.6	57.9	61.5	64.9	67.2	68.9	70.7	72.3	73.3	74.2	71.9	69.9	66.1	56.2				
RUN DBTF=MODEL 2	2500	44.9	53.1	57.2	60.9	63.9	65.5	67.6	69.1	69.8	70.1	67.9	66.3	61.6	49.7				
TAPE X20740	3120	37.4	47.1	51.4	55.7	58.6	60.7	63.3	63.8	65.3	65.5	63.1	60.5	54.9	40.8				
FAN TIP SPEED	4000	28.1	38.6	44.4	49.1	52.0	54.3	56.3	58.2	58.4	58.3	55.2	52.5	45.6	27.9				
FT/SEC	5000	14.7	27.5	33.9	39.7	42.7	46.5	48.0	50.6	49.9	50.2	46.0	41.4	32.3	9.0				
	6300	7.4	20.9	28.1	34.0	37.2	39.5	41.6	44.8	44.2	44.6	39.0	34.7	24.6					
	8000		7.1	15.8	22.6	27.5	29.5	32.1	37.2	33.8	36.2	26.9	21.4	6.1					
	10000				8.8	16.4	17.5	20.3	27.3	21.7	24.3	11.3	2.2						
OVERALL CAL	10000	80.6	82.4	83.7	85.2	86.5	87.8	89.3	91.1	92.8	96.2	98.9	100.6	98.5	92.4				
PNUB	10000	82.2	85.3	86.8	89.4	91.0	92.4	94.0	95.8	97.3	100.2	101.3	102.2	99.7	92.4				

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PWL		
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,			
REV, ALPHA 12/73		FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,			
NO EGA		50	89,2	87,7	89,3	89,4	90,2	91,2	93,8	96,3	98,6	103,6	105,0	110,8	113,0	110,1				163,2	
RDG, NO, 0,		63	94,1	93,6	93,1	91,8	91,7	93,1	95,0	97,5	98,9	103,4	108,2	115,1	116,8	111,3				166,6	
RADIAL 320, FT,		80	97,1	96,9	95,4	94,9	94,9	94,0	96,8	98,4	100,9	105,7	112,7	116,8	117,4	111,8				168,2	
(98, M)		100	98,2	96,7	96,9	96,3	96,0	95,8	97,7	100,6	102,3	108,0	113,7	116,8	116,2	116,2				168,6	
VEHICLE JENOTS		125	100,6	97,9	98,0	97,1	96,8	97,9	99,2	101,1	103,9	110,3	115,5	116,9	116,1	113,7				169,0	
CONFIG JE-058		160	100,2	99,2	98,9	97,8	98,7	99,2	99,7	101,7	103,7	110,1	116,8	119,5	116,7	112,7				170,4	
LOC EVENDALE		200	99,8	99,0	98,7	98,7	98,8	100,0	100,8	102,7	104,6	109,3	115,3	117,5	116,6	112,2				169,3	
DATE 04-29-75		250	100,6	99,3	97,5	99,7	99,5	99,9	100,3	102,3	105,0	109,1	114,4	117,5	116,4	111,8				169,0	
RUN DBTF-MODEL 2		315	98,6	99,3	98,5	97,5	97,9	98,4	100,0	102,4	104,6	109,1	111,8	115,7	113,7	109,5				167,2	
TAPE X20750		400	98,8	99,4	97,8	98,3	97,9	97,9	99,3	101,9	104,6	108,7	111,2	114,7	112,4	107,9				166,4	
BAR 29,5 HG		500	96,0	97,8	97,6	97,6	98,2	98,1	99,5	101,5	104,1	108,0	109,6	112,4	109,1	106,3				164,7	
(99583, N/M2)		630	95,6	97,8	96,7	97,7	97,1	97,7	99,4	101,9	104,7	107,3	109,5	111,0	108,6	104,9				164,2	
TAMB 68, DEG F		800	93,9	96,7	96,7	98,0	98,8	98,4	99,1	101,1	103,5	106,9	108,0	110,1	108,3	103,8				163,5	
(293, DEG K)		1000	92,3	95,4	95,6	96,9	97,9	98,2	98,3	100,5	102,6	105,0	106,8	108,6	107,2	104,2				162,4	
TWET 54, DEG F		1250	90,8	94,5	94,6	96,4	97,1	96,7	98,1	99,9	102,2	104,3	105,7	107,1	106,3	103,4				161,6	
(285, DEG K)		1600	89,6	92,7	93,3	95,0	95,4	95,6	96,9	98,8	100,4	102,8	103,9	105,4	105,1	101,2				160,2	
HACT 0, GM/M3		2000	86,2	90,3	91,0	92,1	93,8	93,8	94,6	97,4	98,7	101,1	101,7	104,3	102,8	99,1				158,6	
(, KG/M3)		2500	83,4	87,5	87,7	89,5	90,5	91,4	92,1	94,6	96,2	98,5	99,4	102,4	101,2	97,0				156,6	
FREQ, SHIFT		3150	79,9	83,9	85,1	86,5	87,2	88,3	89,4	91,9	93,4	95,7	96,4	100,1	99,2	94,9				154,5	
JET 9		4000	76,1	80,2	80,7	82,7	83,7	85,5	86,4	88,8	89,7	92,9	94,1	98,2	97,0	92,6				152,8	
DIAMETER RATIO		5000	75,1	80,3	78,3	80,1	80,4	81,5	82,4	86,6	87,4	91,2	93,2	96,6	95,8	92,8				151,7	
DF/DH 8,00		6300	74,6	76,8	75,6	77,6	78,3	78,4	80,1	86,6	84,6	92,2	94,2	97,4	97,0	93,6				153,5	
OVERALL CALCULATED		8000	77,0	78,5	75,6	78,1	78,9	78,1	80,1	88,9	85,4	94,1	96,1	98,6	99,0	96,1				157,1	
PNDB		10000	78,3	78,7	76,2	78,2	80,2	79,6	81,7	91,1	86,5	96,8	98,6	100,6	100,6	98,5				161,8	
			169,4	109,4	108,9	109,2	109,5	109,8	111,0	113,2	115,4	119,8	124,2	127,2	126,3	122,8				179,1	
			115,2	116,4	116,1	117,1	117,7	118,0	119,2	121,8	123,3	127,0	130,0	132,9	131,8	127,9				180,4	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30, (0,52)	40, (0,70)	50, (0,87)	60, (1,05)	70, (1,22)	80, (1,40)	90, (1,57)	100, (1,75)	110, (1,92)	120, (2,09)	130, (2,27)	140, (2,44)	150, (2,62)	160, (2,79)	0, (0,)	0, (0,)	0, (0,)
NO EGA	50	65,3	66,1	69,3	70,5	71,9	73,4	76,2	78,5	80,3	84,6	85,0	89,2	89,1	82,8			
SIDELINE 2400, FT, (731,52 M)	63	70,1	71,9	73,0	72,8	73,5	75,3	77,3	79,6	80,7	84,5	88,1	93,5	92,9	83,9			
NFA	80	73,0	75,2	75,3	75,9	76,7	76,1	79,1	80,5	82,6	86,7	92,6	95,1	93,4	84,2			
(0, RPM)	100	74,0	74,8	76,7	77,1	77,6	77,8	79,9	82,7	83,9	88,9	93,5	94,9	92,0	88,4			
(0, RAD/SEC)	125	76,2	75,9	77,7	78,0	78,3	79,9	81,3	83,1	85,4	91,1	95,1	94,9	91,8	85,6			
NFK	160	75,7	77,1	78,4	78,5	80,2	81,1	81,7	83,6	85,1	90,8	96,4	97,4	92,1	84,3			
(0, RPM)	200	75,0	76,7	78,0	79,3	80,1	81,8	82,7	84,5	85,9	89,8	94,7	95,1	91,8	83,5			
(0, RAD/SEC)	250	75,5	76,8	76,7	80,0	80,6	81,5	82,0	83,9	86,1	89,5	93,6	94,9	91,2	82,6			
NFD	315	73,0	76,4	77,4	77,6	78,8	79,8	81,5	83,8	85,5	89,2	90,7	92,8	88,1	79,6			
(0, RAD/SEC)	400	72,7	76,1	76,4	78,1	78,6	79,0	80,6	83,1	85,3	88,5	89,8	91,4	86,3	77,2			
AIRFLOW RATIO	500	69,2	74,0	75,7	77,1	78,6	79,0	80,4	82,4	84,5	87,5	87,8	88,6	82,4	74,7			
WF/HM 8,00	630	68,0	73,4	74,3	76,7	77,0	78,1	80,0	82,3	84,6	86,3	87,2	86,5	81,0	72,0			
VEHICLE JENOTS	800	65,2	71,4	73,6	76,4	78,2	78,3	79,1	80,9	82,8	85,2	84,9	84,8	79,5	69,1			
CONFIG JE-058	1000	62,2	69,0	71,7	74,5	76,5	77,4	77,8	79,8	81,3	82,6	82,8	82,2	77,1	67,6			
LOC EVENDALE	1250	59,0	66,9	69,5	73,1	74,9	75,2	76,7	78,3	80,1	81,0	80,7	79,4	74,5	64,2			
DATE 04-29-75	1600	55,4	63,2	66,7	70,4	72,0	72,9	74,4	76,1	77,1	78,2	77,4	75,9	70,9	58,4			
RUN DB/F-MODEL 2	2000	49,1	58,6	62,7	65,9	68,9	69,7	70,8	73,3	73,8	74,9	73,4	72,6	65,6	52,0			
TAPE X20750	2500	42,1	52,6	56,7	61,0	63,6	65,4	66,3	68,6	69,3	70,0	68,4	67,5	59,9	43,5			
FAN TIP SPEED	3150	31,9	43,9	47,9	54,3	57,0	59,0	60,5	62,7	63,1	63,5	61,2	60,0	51,1	31,4			
FT/SEC	4000	18,0	32,5	37,2	45,0	48,4	51,5	52,8	54,8	54,4	55,2	52,5	50,4	38,8	14,0			
	5000	11,1	28,1	33,1	39,2	42,2	44,7	46,1	49,8	49,2	50,3	48,0	44,4	31,8	5,5			
	6300		11,6	19,6	27,3	31,5	33,5	35,8	41,7	37,8	41,9	38,2	32,1	15,8				
	8000			3,0	13,3	18,9	20,8	23,6	31,6	25,4	29,3	23,5	13,2					
	10000					1,9	4,9	8,1	16,4	8,2	11,9	2,9						
OVERALL CALCULATED		84,2	86,3	87,5	88,9	89,9	90,7	92,0	94,1	95,9	99,8	103,4	104,7	101,5	94,2			
PND8		86,4	90,1	91,5	93,5	94,7	95,7	97,0	99,2	101,0	104,0	106,2	107,1	102,9	94,4			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL	
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	
SPL INPUT AT STD	REV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,
		50	92.2	90.5	92.1	92.7	93.7	94.0	96.3	99.1	100.6	106.6	107.5	113.8	116.2	112.6			166.2
	NO EGA	63	97.1	97.3	95.8	94.8	95.5	96.4	98.5	100.7	101.4	107.4	112.0	119.4	119.8	114.8			170.2
RDG, NO,	0.	80	99.8	100.4	98.7	97.7	97.4	97.2	99.3	100.6	104.2	109.4	116.2	120.8	120.4	114.8			171.7
RADIAL 320, FT,		100	100.7	99.9	100.1	99.5	99.5	99.0	100.7	103.4	105.8	111.8	117.5	120.5	119.7	118.7			172.1
	(98, M)	125	103.3	100.4	101.5	100.1	100.3	100.9	102.9	103.8	106.9	113.6	119.7	120.7	119.6	116.9			172.8
VEHICLE	JENOTS	160	104.2	102.9	102.1	101.5	102.0	102.4	103.4	104.9	107.9	114.4	121.8	124.2	119.7	115.9			174.8
CONFIG	JE-058	200	104.6	104.5	102.7	102.5	102.6	103.2	104.0	106.0	107.8	113.3	120.6	121.2	118.9	114.2			173.1
LOC	EVENDALE	250	108.6	107.8	104.5	105.4	104.2	103.6	103.5	106.1	108.5	113.1	119.7	121.3	118.6	113.5			172.9
DATE	04-29-75	315	107.8	107.8	107.8	106.0	105.1	104.2	104.0	106.4	108.6	112.8	117.5	120.5	116.4	111.5			171.8
RUN	DBTF-MODEL 2	400	106.6	107.7	105.8	107.0	106.4	106.4	104.8	105.9	108.6	113.2	117.5	118.9	114.9	110.4			171.2
TAPE	X20760	500	103.8	105.5	105.1	105.9	105.5	106.4	106.2	106.3	108.6	112.0	115.9	116.4	112.4	108.1			169.7
BAR	29.5 HG	630	101.8	104.6	103.9	104.7	105.1	105.2	105.9	107.1	109.2	111.8	114.8	115.7	110.8	106.9			169.1
	(99583, N/M2)	800	100.7	103.5	103.4	105.0	105.3	105.9	104.8	107.1	108.5	110.9	113.8	114.9	110.3	105.8			168.4
TAMB	68, DEG F	1000	99.3	102.9	102.9	103.9	104.6	104.9	104.6	106.3	107.6	109.5	112.8	113.6	110.0	105.5			167.5
	(293, DEG K)	1250	98.1	101.8	101.8	103.4	103.6	104.0	103.8	105.6	107.2	108.8	111.5	111.8	108.5	104.6			166.6
THEY	54, DEG F	1600	95.9	99.4	100.5	101.7	102.6	102.6	102.9	104.5	105.4	107.3	110.2	111.1	107.3	102.0			165.5
	(285, DEG K)	2000	93.2	97.3	97.8	99.1	100.5	101.0	101.4	102.4	104.2	105.6	108.5	109.5	105.8	100.1			164.0
HACT	0, GM/M3	2500	90.2	94.5	94.9	96.7	97.7	98.2	99.1	99.8	101.5	102.7	106.9	107.6	104.2	98.0			162.1
	(, KG/M3)	3150	87.2	91.9	92.6	94.2	95.0	95.8	96.9	97.7	98.9	101.0	104.4	105.6	101.9	96.1			160.3
FREQ, SHIF		4000	83.9	88.2	89.0	90.9	91.2	92.8	94.1	95.3	95.4	98.9	102.6	103.2	99.7	93.1			158.6
JET	9	5000	83.1	87.1	87.1	88.4	88.9	89.5	91.2	92.3	92.7	96.0	100.9	100.9	98.6	93.1			156.9
DIAMETER RATIO		6300	83.9	85.8	85.1	86.9	87.6	87.6	89.1	90.3	90.3	95.5	99.5	100.9	98.3	94.4			157.3
DF/DM	8.00	8000	86.5	87.5	85.6	87.1	88.4	87.6	89.9	90.7	89.2	96.1	98.9	100.6	100.0	96.6			159.4
		10000	88.1	88.4	86.7	88.0	90.0	89.6	91.9	92.1	88.3	97.8	99.6	101.8	101.3	99.0			163.3
OVERALL CALCULATED			115.5	116.1	115.4	115.6	115.6	115.8	115.9	117.5	119.6	123.8	129.2	131.4	129.2	125.3			183.3
PND8			122.2	123.7	123.2	123.9	124.4	124.7	125.2	126.5	128.1	131.2	135.5	137.1	134.3	129.7			184.2

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA-12/73	FREQ,	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,
NO EGA	50	68.3	68.9	72.0	73.7	75.4	76.2	78.7	81.3	82.3	87.6	87.5	92.2	92.4	85.3			
SIDELINE 2400, FT,	63	73.1	75.7	76.7	75.8	77.2	78.5	80.8	82.9	83.2	88.5	91.9	97.7	95.9	87.4			
(731.52 M)	80	75.8	78.7	78.6	78.7	79.2	79.4	81.6	82.7	85.9	90.4	96.1	99.1	96.4	87.2			
NFA	100	76.5	78.1	79.9	80.4	81.1	81.1	82.9	85.4	87.4	92.6	97.2	98.7	95.5	90.9			
0, RPM	125	79.0	78.4	81.2	81.0	81.8	82.9	85.0	85.8	88.4	94.4	99.4	98.7	95.3	88.9			
(0, RAD/SEC)	160	79.7	80.8	81.6	82.2	83.4	84.3	85.4	86.8	89.4	95.1	101.4	102.1	95.1	87.6			
NFK	200	79.7	82.2	82.0	83.0	83.9	85.0	85.9	87.8	89.1	93.8	100.0	98.9	94.1	85.5			
0, RPM	250	83.5	85.3	83.7	85.8	85.4	85.2	85.3	87.7	89.6	93.5	98.8	98.7	93.5	84.3			
(0, RAD/SEC)	315	82.3	84.9	86.7	86.1	86.1	85.6	85.5	87.8	89.5	93.0	96.4	97.6	90.9	81.6			
NFD	400	80.5	84.4	85.4	86.8	87.1	87.5	86.1	87.1	89.3	93.0	96.0	95.6	88.8	79.7			
0, RPM	500	77.0	81.7	83.2	85.4	85.8	87.2	87.1	89.0	91.5	94.0	92.6	85.6	76.4				
(0, RAD/SEC)	630	74.2	80.1	81.6	83.7	85.0	85.6	86.5	87.5	89.1	90.8	92.4	91.2	83.2	74.0			
AIRFLOW RATIO	800	71.9	78.2	80.3	83.4	84.7	85.8	84.9	86.9	87.8	89.2	90.7	89.5	81.5	71.1			
WF/QM 8.00	1000	69.2	76.5	78.9	81.5	83.3	84.2	84.0	85.5	86.3	87.1	88.8	87.2	79.9	68.8			
VEHICLE JENOTS	1250	66.3	74.1	76.8	80.1	81.4	82.4	82.5	84.1	85.1	85.5	86.5	84.2	76.7	65.4			
CONFIG JE-058	1600	61.6	69.9	74.0	77.1	79.2	79.9	80.4	81.8	82.1	82.7	83.7	81.7	73.1	59.2			
LOC EVENDALE	2000	56.1	65.6	69.4	72.9	75.7	77.0	77.6	78.3	79.3	79.4	80.1	77.8	68.6	53.0			
DATE 04-29-75	2500	48.9	59.6	63.9	68.2	70.8	72.2	73.3	73.8	74.5	74.2	75.9	72.7	62.9	44.5			
RUN DBTF-MODEL 2	3150	39.1	51.9	57.4	62.1	64.7	66.5	68.0	68.4	68.6	68.8	69.2	65.5	53.9	32.6			
TAPE X20760	4000	25.7	40.5	47.4	53.2	55.9	58.8	60.5	61.3	60.1	61.2	61.0	55.4	41.6	14.5			
FAN TIP SPEED	5000	19.1	34.9	41.8	47.5	50.7	52.7	54.9	55.6	54.5	55.1	55.7	48.7	34.6	5.7			
FT/SEC	6300	2.7	21.6	29.1	36.6	40.8	42.7	44.8	45.4	43.5	45.2	43.4	35.6	17.1				
	8000		2.1	13.0	22.3	28.4	30.3	33.3	33.3	29.2	31.3	26.3	15.2					
	10000				3.1	11.7	14.9	18.3	17.4	10.0	12.9	3.9						
OVERALL CALCULATED		89.9	92.7	93.7	95.0	95.6	96.3	96.6	98.1	99.8	103.7	108.3	108.8	104.4	96.9			
PND8		93.3	97.3	99.0	100.8	101.7	102.4	102.7	103.8	105.2	108.3	111.6	111.4	105.6	96.9			

MODEL 3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIAN)																PHL		
REV.	ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
NO EGA	50	76.4	73.5	77.6	78.2	79.4	78.7	81.1	81.6	83.3	84.8	82.5	88.5	91.7	91.4	91.4	91.4	91.4	91.4	91.4
EDG. NO.	63	76.1	77.7	79.2	77.9	79.4	78.7	81.1	81.6	83.3	84.8	82.5	88.5	91.7	91.4	91.4	91.4	91.4	91.4	91.4
RADIAL 320 FT.	100	77.2	79.9	78.9	79.0	79.6	78.5	81.1	81.6	83.3	84.8	82.5	88.5	91.7	91.4	91.4	91.4	91.4	91.4	91.4
(98. M)	125	78.1	77.4	78.8	78.4	80.0	81.2	82.2	83.3	83.6	85.6	86.5	88.4	89.6	87.4	87.4	87.4	87.4	87.4	87.4
VEHICLE JENOTS	160	77.2	77.4	78.6	78.5	79.0	79.7	82.2	82.7	83.7	85.1	86.8	88.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4
CONFIC JENOTS	250	76.8	78.5	78.4	78.2	79.6	80.5	81.5	82.2	83.1	84.7	85.8	86.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
LCC EVENTUAL	250	78.1	77.3	77.8	79.7	80.5	80.4	80.5	81.6	82.7	83.4	85.4	86.3	83.1	80.5	80.5	80.5	80.5	80.5	80.5
DATE 05-08-75	313	77.5	77.8	78.0	77.2	78.8	79.2	80.4	81.4	82.5	83.1	83.7	84.7	80.9	78.0	78.0	78.0	78.0	78.0	78.0
RLN CBTF-MODEL 3	400	74.8	76.9	77.5	78.2	78.4	78.1	79.5	80.5	81.3	83.4	83.7	83.6	80.1	76.9	76.9	76.9	76.9	76.9	76.9
TAPE X300J0	530	73.2	75.2	77.3	77.1	77.7	77.8	78.9	80.5	81.3	83.2	83.6	82.1	77.8	75.5	75.5	75.5	75.5	75.5	75.5
BAR 29.4 HG	630	73.0	76.9	76.9	76.9	77.6	77.9	79.1	80.5	82.3	84.3	84.7	81.9	77.3	75.9	75.9	75.9	75.9	75.9	75.9
(99347, N/42)	800	72.8	77.1	78.3	78.4	78.5	78.5	79.2	81.2	82.1	83.8	84.4	81.3	78.2	76.7	76.7	76.7	76.7	76.7	76.7
TAMB 69, DEG F	1000	72.2	77.5	78.5	78.7	79.0	79.0	78.9	81.6	82.2	84.1	84.6	80.9	77.6	77.1	77.1	77.1	77.1	77.1	77.1
(294, DEG K)	1250	71.4	77.6	78.9	79.2	79.1	78.5	78.9	81.2	82.3	84.5	84.3	79.9	78.1	77.4	77.4	77.4	77.4	77.4	77.4
THET 56, DEG F	1500	69.6	76.9	78.8	78.7	78.6	77.9	77.9	80.3	81.4	82.8	83.4	78.6	77.1	75.7	75.7	75.7	75.7	75.7	75.7
(286, DEG K)	2000	67.2	75.2	77.0	76.3	77.0	76.2	77.1	78.4	79.1	81.0	81.7	77.0	75.5	73.8	73.8	73.8	73.8	73.8	73.8
HACT 3, GM/M3	2500	63.9	72.7	74.4	74.7	73.5	72.9	74.3	76.0	77.9	78.9	78.8	74.1	73.1	71.7	71.7	71.7	71.7	71.7	71.7
(1, KG/M3)	3150	61.1	71.3	72.6	72.8	71.0	70.2	71.6	73.4	74.9	76.7	74.9	71.8	71.4	69.3	69.3	69.3	69.3	69.3	69.3
FREQ. SHIFT	4000	57.4	66.2	69.7	68.7	67.5	67.3	68.6	70.0	70.9	73.4	72.0	68.9	68.7	66.6	66.6	66.6	66.6	66.6	66.6
JET 9	5000	55.4	65.4	66.9	66.2	65.0	63.3	64.5	66.4	67.7	70.0	68.0	65.7	66.6	65.1	65.1	65.1	65.1	65.1	65.1
DIAMETER RATIO	6300	53.5	62.5	63.8	62.8	64.2	59.8	61.5	63.0	64.2	68.6	65.4	65.8	65.9	64.5	64.5	64.5	64.5	64.5	64.5
DF/DH 8.00	8000	54.6	59.8	60.4	60.1	60.4	57.4	59.4	60.5	60.7	69.9	64.7	67.6	66.8	65.4	65.4	65.4	65.4	65.4	65.4
OVERALL CALCULATED	10000	55.9	58.5	57.8	57.8	61.0	59.1	59.7	59.9	57.3	72.8	66.1	69.8	68.8	67.0	67.0	67.0	67.0	67.0	67.0
PNDP		97.7	99.7	90.7	90.7	91.4	91.3	92.6	94.0	95.0	96.6	97.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2
		93.5	98.7	100.0	99.9	100.2	99.6	100.7	102.2	103.4	105.2	105.4	103.5	102.3	101.7	101.7	101.7	101.7	101.7	101.7

701

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG F, 70 PERCENT REL HUM, DAY)

SPL INTRT AT STD REV ALPHA 12278	FREQ	LEVELS SCALED FROM MODEL DATA (59' DEG F, 70 PERCENT REL HUM, DAY)																	
		30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	170'	180'	190'	200'
NO EGA	50	52.6	51.9	57.5	59.2	61.2	60.9	63.4	63.8	65.1	65.9	62.5	66.9	67.9	64.1				
SIDELINE 2400 FT	63	50.6	54.2	57.5	57.3	59.0	60.3	63.0	63.4	64.4	64.7	64.9	68.7	67.9	64.9				
1731.52 PSI	80	52.0	56.0	59.1	58.9	61.2	60.9	63.4	64.7	65.1	64.4	64.8	67.8	66.9	65.5				
NFA C. RPM	100	53.0	58.1	58.7	59.9	61.4	60.6	62.6	63.2	65.2	66.9	67.5	67.7	65.5	64.4				
(0. RAD/SEC)	125	53.7	55.4	58.4	59.2	61.6	63.2	64.3	65.3	65.2	66.4	66.1	66.4	65.3	59.4				
NFK 0. RPM	160	52.7	55.3	58.1	59.2	60.4	61.6	64.2	64.6	65.1	65.8	66.4	66.6	62.9	56.1				
(0. RAD/SEC)	200	52.0	56.1	57.8	58.8	60.9	62.2	63.7	64.0	64.4	65.3	65.2	64.4	60.1	53.2				
NFD 0. RPM	250	53.0	54.8	56.9	60.0	61.6	61.7	62.3	63.2	63.9	63.7	64.6	63.7	58.0	51.3				
(0. RAD/SEC)	315	52.0	54.9	56.9	57.3	59.8	60.6	62.0	62.8	63.5	63.2	62.6	61.8	55.3	48.1				
AIRFLOW RATIO	400	48.7	53.6	56.1	58.1	59.0	59.2	60.8	62.0	62.0	63.2	62.2	60.3	54.0	46.2				
WF/W 8.00	500	46.4	51.4	55.4	56.6	58.0	58.7	59.9	61.3	61.7	62.7	61.7	58.3	51.1	43.9				
VEHICLE JENOTS	630	45.4	51.6	54.5	55.9	57.5	58.3	59.7	61.0	62.3	63.3	62.3	57.4	49.7	42.9				
CONFIG JE-060	800	44.1	51.8	55.2	56.8	57.8	58.4	59.3	61.1	61.5	62.3	61.3	55.9	49.4	42.0				
LOC EVENDALE	1000	42.1	51.1	54.5	56.4	57.6	58.3	58.4	60.9	60.9	61.7	60.7	54.6	47.5	40.4				
DATE 05-08-75	1250	39.6	49.9	53.8	55.9	56.9	57.0	57.5	59.6	60.1	61.3	59.3	52.2	46.3	38.2				
RLN DBTF-MODEL 3	1600	35.4	47.4	52.2	54.1	55.2	55.2	55.4	57.6	58.1	58.2	56.9	49.2	42.9	32.9				
TAPE X30010	2000	30.1	43.5	48.6	50.1	52.2	52.2	53.3	54.3	54.3	54.8	53.3	45.3	38.4	26.7				
FAN TIR SPEED	2500	22.6	37.8	43.4	46.2	46.5	46.9	48.5	50.0	51.0	50.4	47.8	39.2	31.8	18.2				
FT/SEC	3150	13.1	31.3	37.4	40.3	40.7	41.0	42.7	44.1	44.6	44.5	39.7	31.8	23.3	9.9				
OVERALL CALCULATED	4000		23.5	28.2	31.0	32.2	33.3	35.0	36.0	35.6	35.7	30.5	21.2	10.6					
PNDB	5000		13.2	21.6	25.3	26.8	26.5	28.2	29.6	29.5	29.1	22.8	13.5	2.6					
	6300			7.7	12.5	17.4	14.9	17.3	18.1	17.4	18.3	9.4	0.5						
	8000					0.5	0.1	2.9	3.1	0.7	5.1								
	10000																		
OVERALL CALCULATED		62.6	66.2	68.9	70.1	71.8	72.3	74.8	75.1	75.6	76.2	75.9	76.4	74.6	71.4				
PNDB		63.1	69.0	73.0	74.8	76.2	76.5	77.6	79.2	79.7	80.1	79.0	76.3	71.5	66.0				

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 03 DAY 0 HR: 00:00 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD REV. ALPHA 12273		FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PWL
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	0.	0.	0.	
REG. NO. 0.		50	78.2	76.0	80.3	78.7	81.2	80.7	82.1	83.6	85.6	87.3	85.3	91.5	94.7	93.1				145.9
RADIAL 320 FT.		63	77.3	78.8	80.3	78.8	80.2	80.9	82.7	84.0	85.7	86.7	87.7	93.6	94.6	93.8				146.5
VEHICLE JENOTS		80	78.3	80.9	81.4	79.9	81.2	80.7	83.8	85.1	86.7	86.7	88.2	91.6	93.1	93.0				146.0
CCNFIC JE-060		100	79.2	82.4	80.9	81.3	82.3	81.3	83.7	85.6	87.3	89.3	91.2	92.3	92.0	92.7				146.7
LCC EVENDALE		125	80.1	79.6	81.8	81.4	82.8	83.9	84.4	85.1	86.6	89.1	89.7	90.9	90.6	88.2				145.7
DATE 05-08-75		160	79.2	80.4	81.6	81.3	82.2	82.7	84.7	85.9	86.4	88.6	90.1	91.2	88.7	85.2				145.5
RLN DDTF-MODEL 3		200	78.8	81.2	82.2	82.0	82.6	83.7	85.0	85.7	86.6	88.2	89.6	89.7	87.1	84.0				145.1
TAPE X38030		250	80.8	81.3	81.8	83.9	84.5	84.1	85.3	86.3	86.7	88.1	89.2	89.5	85.8	83.3				145.2
BAR 29.4 HG		315	80.3	82.0	82.7	82.5	83.3	83.9	84.9	86.2	87.5	88.6	88.5	87.9	85.2	81.7				144.9
99347, N/42)		400	79.1	81.7	83.0	83.5	84.1	83.9	85.3	86.1	87.6	89.6	87.9	87.6	84.3	82.1				145.1
TAMB 69, DEG F		500	77.7	81.0	82.8	83.8	83.9	84.3	85.1	87.5	89.1	90.9	88.3	86.3	83.6	80.8				145.7
(294, DEG K)		630	77.8	81.8	83.4	83.9	84.3	85.4	86.6	88.8	91.6	93.5	90.0	86.9	83.8	82.1				147.5
THET 56, DEG F		800	77.8	83.1	85.6	85.7	86.7	87.5	88.2	90.2	93.1	95.8	91.7	87.5	84.9	82.9				149.4
(286, DEG K)		1000	78.7	84.2	85.7	86.2	87.5	88.3	89.2	91.6	93.7	96.8	92.9	88.4	85.3	84.1				150.4
HACT C, GM/M3		1250	78.4	84.1	86.1	86.9	87.6	88.3	89.4	92.2	94.5	96.5	93.3	88.6	86.1	84.4				150.8
FREQ. SHIFT		1600	76.6	83.9	86.0	87.0	87.6	87.9	88.9	91.3	93.2	95.5	92.9	87.9	85.8	83.5				150.2
JET 9		2000	74.7	83.0	85.0	84.8	86.2	86.5	87.6	90.1	91.6	93.3	90.7	86.0	84.0	81.8				148.6
DIAMETER RATIO		2500	72.6	81.7	83.4	83.9	83.5	83.6	86.0	87.8	89.9	90.4	87.8	83.8	81.9	80.7				146.7
CF/DH 8.00		3150	69.9	83.3	81.3	82.2	81.5	81.7	84.1	85.4	87.1	88.4	84.4	81.0	80.4	79.1				144.9
OVERALL CALCULATED		4000	66.6	77.2	78.7	79.7	78.0	79.3	81.1	83.3	83.7	84.7	81.8	77.9	77.7	76.1				142.6
PNDB		5000	84.4	74.4	76.6	76.7	75.7	75.8	77.7	78.9	81.2	80.5	77.7	74.7	74.4	73.6				138.8
		6300	81.0	70.5	72.8	73.5	73.0	73.0	75.0	76.5	77.0	77.1	74.4	71.8	71.7	70.3				137.4
		8000	59.6	66.3	68.7	70.4	69.9	69.9	71.9	73.5	73.7	74.1	70.2	70.4	69.6	67.9				136.4
		10000	58.9	61.2	63.0	66.8	68.0	67.9	69.9	70.6	69.8	71.3	68.6	70.3	69.8	67.5				136.5
			91.1	94.8	96.3	96.6	97.4	97.8	99.1	101.0	102.9	105.0	102.9	102.3	101.9	100.7				160.3
			99.0	105.6	107.3	107.8	108.1	108.5	110.0	111.9	113.6	115.2	112.9	110.0	108.3	106.7				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD REV, ALPHA 12273	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)
NO EGA	50	54.3	54.4	60.3	59.7	62.9	62.9	64.4	65.8	67.3	68.4	69.2	69.9	70.9	65.8		
SIDELINE 2400 FT.	63	53.4	57.2	60.2	59.6	62.0	63.0	65.0	66.1	67.4	67.7	67.6	72.0	70.6	66.4		
(731.52 M)	80	54.3	59.2	61.3	60.9	62.9	62.9	66.1	67.2	68.4	67.7	68.1	69.8	69.1	65.5		
NFA 0. RPM	100	55.0	60.6	60.7	62.1	63.9	63.3	65.9	67.7	68.9	70.1	71.0	70.4	67.8	64.9		
(0. RAD/SEC)	125	55.7	57.7	61.4	62.2	64.3	65.9	66.5	67.1	68.2	69.9	69.4	68.9	66.3	60.1		
NFK 0. RPM	160	54.7	58.3	61.1	62.0	63.7	64.6	66.7	67.8	67.9	69.3	69.6	69.1	64.1	56.8		
(0. RAD/SEC)	200	54.0	58.9	61.5	62.5	63.9	65.5	66.9	67.5	67.9	68.8	69.0	67.4	62.3	55.2		
AFD 0. RPM	250	55.7	58.8	60.9	64.3	65.6	65.7	67.0	67.9	67.9	68.5	68.3	66.9	60.7	54.0		
(0. RAD/SEC)	315	54.7	59.2	61.6	62.6	64.3	65.3	66.5	67.6	68.5	68.7	67.4	65.0	59.6	51.9		
AIRFLOW RATIO	400	53.0	58.4	61.6	63.3	64.8	65.0	66.6	67.3	68.2	69.5	66.5	64.3	58.2	51.5		
WF/WM 8.00	500	50.9	57.2	60.9	63.3	64.3	65.2	66.1	68.3	69.4	70.4	66.5	62.5	56.8	49.1		
	630	50.1	57.3	61.0	62.9	64.2	65.8	67.2	69.2	71.5	72.5	67.6	62.4	56.2	49.2		
VEHICLE JENUTS	800	49.1	57.8	62.5	64.1	66.1	67.4	68.3	70.1	72.5	74.1	68.6	62.2	56.2	48.3		
CCAFIG JENUTS	1000	48.6	57.9	61.8	63.9	66.1	67.5	68.6	70.9	72.4	74.5	68.9	62.1	55.2	47.4		
LCC EVENDALE	1250	46.6	56.4	61.1	63.6	65.4	66.7	68.0	70.6	72.4	73.3	68.3	61.0	54.3	45.2		
DATE 05-08-75	1600	42.4	54.4	59.5	62.4	64.2	65.2	66.4	68.6	69.8	70.9	66.4	58.4	51.6	40.7		
RLN DBTF-MODEL 3	2000	37.6	51.3	56.6	58.6	61.4	62.4	63.8	66.0	66.8	67.1	62.3	54.3	46.9	34.7		
TARE X30030	2500	31.3	46.8	52.4	55.4	58.5	57.6	60.2	61.8	63.0	61.9	56.8	48.9	40.3	27.2		
FAN TIP SPEED	3150	21.8	40.3	46.1	50.0	51.2	52.5	55.2	56.1	56.9	56.3	49.2	41.0	32.3	15.6		
FT/SEC	4000	8.5	29.5	37.2	42.0	42.7	45.3	47.5	49.3	48.4	47.0	40.2	30.2	19.6			
	5000	0.4	22.2	31.4	35.8	37.5	39.0	41.4	43.1	43.0	39.6	32.5	22.5	10.4			
	6300		5.2	16.7	23.2	26.2	28.1	30.8	31.6	30.2	26.8	18.4	6.5				
	8000				5.6	10.0	12.6	15.4	16.1	13.7	9.4						
OVERALL CALCULATED	10000	85.2	90.1	73.3	74.9	76.7	77.6	79.0	80.6	81.9	83.0	80.4	79.4	77.1	72.4		
PNOB		87.1	75.1	79.6	82.0	83.8	84.8	86.3	88.2	89.3	90.2	86.3	81.1	75.4	68.7		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PULLI	
SPL INPUT AT STD		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°		
REV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)		
NO EGA	50	81.4	79.2	83.1	82.4	84.4	84.2	85.8	87.6	89.3	91.6	93.5	96.3	99.5	96.6	94.8	93.1	150.2	
RE5, NO. 0.	63	81.3	82.3	84.3	83.0	84.7	85.4	87.5	88.2	90.2	91.2	93.2	97.9	98.6	96.3	94.8	93.1	150.7	
RADIAL 320, FT.	80	82.1	83.7	84.4	83.2	84.9	85.2	88.1	88.9	91.2	91.7	94.2	97.1	97.4	94.8	93.1	91.4	150.4	
VEHICLE JENOTS	125	83.0	84.7	84.9	85.8	86.3	86.3	87.9	90.4	91.3	94.3	96.0	96.8	95.7	95.0	93.1	91.2	150.9	
CCNFIO JE4060	160	84.1	83.4	85.5	85.4	86.8	87.2	88.7	90.1	91.6	94.6	95.5	95.4	93.1	91.2	89.9	88.5	150.3	
LOC EVENDALE	200	83.7	84.7	85.6	85.8	86.7	87.4	89.9	90.4	91.7	94.6	96.1	96.5	91.9	89.9	88.5	86.8	150.7	
DATE 03-08-75	250	83.3	85.5	85.4	86.0	87.1	88.0	89.8	91.0	92.1	94.3	95.4	94.5	92.1	88.5	86.8	85.1	150.9	
RUN DBTF-MODEL 3	315	85.1	85.1	85.3	87.7	88.5	89.1	90.9	91.6	92.8	95.5	95.5	94.6	91.6	88.8	86.8	85.1	150.7	
TARE X30050	400	84.1	86.1	86.8	86.2	87.9	88.9	90.6	91.7	93.9	96.7	94.5	93.7	91.1	89.9	87.9	86.2	151.2	
BAR 29.4 HG	500	82.1	85.6	87.1	88.4	89.0	89.7	91.0	93.3	95.2	97.3	93.4	92.9	89.9	87.9	86.2	84.5	151.6	
299347, N/42)	630	82.4	86.4	88.3	89.2	89.7	91.0	92.7	94.9	97.7	99.1	94.1	93.3	90.1	88.2	86.4	84.5	151.2	
TAMB 70, DEG F	600	82.8	87.8	89.3	91.1	91.7	93.2	94.4	96.4	99.3	100.4	94.6	93.0	90.6	88.6	86.4	84.5	151.6	
(294, DEG K)	1000	83.7	88.5	90.5	92.2	93.5	95.1	96.5	98.4	101.4	102.3	95.9	93.2	90.9	89.6	87.6	85.8	151.5	
THET 54, DEG F	1250	85.0	90.5	92.2	93.8	94.5	95.9	97.3	98.6	100.6	103.2	103.9	97.9	94.8	91.7	90.6	88.1	151.1	
(285, DEG K)	1600	84.8	91.6	93.5	94.9	95.6	95.8	97.6	98.5	100.5	102.7	103.5	98.7	95.1	93.1	91.7	89.4	151.4	
WACT 0, GH/M3	2000	82.7	91.0	93.5	94.1	95.2	95.0	96.9	98.9	100.9	101.6	97.5	94.0	92.3	90.6	88.6	86.4	151.2	
41, KG/M3}	2500	80.4	88.5	90.9	92.5	92.7	92.9	94.6	96.4	98.5	98.5	94.6	91.1	88.9	87.2	85.9	84.5	151.9	
FREQ, SHIFT	3150	77.7	85.9	88.1	90.2	90.0	90.8	92.1	94.2	95.7	96.9	90.9	87.8	85.7	83.9	82.9	81.5	152.0	
JET 9	4000	74.8	82.7	85.2	87.2	87.0	89.0	90.3	91.3	91.9	93.1	88.0	84.6	82.9	80.8	79.8	78.0	150.7	
DIAMETER RATIO	5000	71.8	79.8	82.3	84.6	84.1	85.4	86.9	87.8	89.4	89.7	84.6	81.1	79.8	78.0	76.5	75.1	147.9	
DF/DH 8.00	6300	68.7	75.9	78.4	80.4	80.1	81.4	83.2	84.6	85.6	86.8	81.5	79.5	77.6	75.7	74.4	73.1	145.7	
	8000	64.3	71.8	74.7	76.6	75.9	76.9	79.2	82.2	82.9	85.1	78.4	78.1	76.8	75.6	74.4	73.1	144.9	
	10000	61.1	68.0	69.8	71.0	72.5	72.9	75.2	80.4	79.3	85.1	77.3	79.1	77.6	76.5	75.1	73.9	145.0	
OVERALL CALCULATED		95.9	100.1	101.8	103.0	103.8	104.5	106.1	108.3	110.3	111.5	108.2	107.6	106.6	104.5	102.9	101.6	100.0	
PND8		105.6	111.7	113.8	115.0	115.6	116.1	117.8	119.7	121.6	122.7	118.9	116.7	114.8	112.9	111.6	110.0	108.0	

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		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0	0
REV. ALPHA 12273		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)
NO EGA		50	37.6	37.6	63.0	63.5	66.2	66.4	68.2	69.8	71.4	72.6	70.5	74.7	75.6	69.3				
SIDELINE 2400 FT		63	37.4	50.7	64.2	64.0	66.5	67.5	69.8	70.4	71.9	72.2	73.1	76.2	74.6	68.9				
(73.52 M)		80	38.0	62.0	64.3	64.2	66.7	67.4	70.4	71.0	72.9	72.7	74.1	75.3	73.4	67.2				
NFA		100	38.8	62.8	64.7	66.6	67.9	68.3	70.1	72.4	72.9	75.2	75.7	74.9	71.5	67.2				
0. RPM		125	39.7	61.4	65.2	66.2	68.3	69.2	70.8	72.1	73.2	75.4	75.1	73.5	68.8	63.2				
(0. RAD/SEC)		160	39.2	62.6	65.1	66.5	68.2	69.3	71.9	72.3	73.1	75.3	75.6	74.4	67.4	61.6				
NFK		200	38.5	63.2	64.8	66.5	68.4	69.8	71.7	72.8	73.4	74.8	74.7	72.2	67.3	59.7				
(0. RAD/SEC)		250	30.0	62.5	64.5	66.1	69.7	70.7	72.6	73.2	73.9	75.8	74.7	72.2	66.5	59.6				
NFD		315	38.5	63.2	65.7	66.4	68.8	70.6	71.5	73.1	74.5	75.8	72.9	71.1	64.9	58.4				
(0. RAD/SEC)		400	37.3	62.9	65.4	66.1	69.6	70.1	71.9	72.8	74.5	76.5	73.1	70.4	65.0	58.3				
AIR FLOW RATIO		500	35.3	61.8	65.3	67.9	69.4	70.5	72.0	74.2	75.5	76.8	71.6	69.1	63.2	56.2				
WF/HM 8.00		630	34.8	62.0	65.9	68.3	69.6	71.4	73.3	75.3	77.6	78.1	71.7	68.8	62.5	55.3				
		800	34.0	62.5	66.2	69.5	71.0	73.1	74.5	76.3	78.7	78.8	71.5	67.6	61.8	53.7				
VEHICLE JENOTS		1000	33.6	62.1	66.6	69.9	72.2	74.3	75.9	77.7	80.2	79.8	71.9	66.8	60.8	53.0				
CONFIG JENOTS		1250	33.2	62.8	67.2	70.5	72.3	74.4	75.9	79.0	81.0	80.2	72.9	66.4	59.9	51.4				
CCC EVENDALE		1600	30.6	62.1	66.9	70.3	72.2	73.1	75.1	77.8	79.3	78.9	72.1	65.6	58.8	48.9				
DATE 05-08-75		2000	45.6	59.3	65.2	67.9	70.4	71.0	73.1	74.8	76.1	75.4	89.1	62.3	55.1	43.2				
RUN DBTF-MODEL 3		2500	39.1	53.6	59.9	64.0	65.8	66.9	68.8	70.3	71.6	70.0	83.6	56.2	47.6	33.8				
TAPE X30050		3150	29.6	45.9	52.9	58.1	59.7	61.3	63.3	64.9	65.4	63.8	55.7	47.8	37.6	20.4				
FAN TIP SPEED		4000	16.7	34.9	43.7	49.5	51.7	55.0	56.8	57.3	56.6	55.4	46.5	36.9	24.8	2.3				
FT/SEC		5000	7.8	27.6	37.0	43.7	45.9	48.7	50.6	51.0	51.2	48.8	39.4	28.9	15.8					
		6300		10.6	22.4	30.1	33.3	36.5	38.9	39.7	38.8	36.5	25.5	14.2						
		8000			2.1	11.9	16.0	19.6	22.6	24.9	23.0	20.4	5.8							
		10000							1.6	5.6	1.0	0.2								
OVERALL CALCULATED			69.4	74.4	77.8	80.2	82.1	83.5	85.2	87.1	88.8	89.2	85.7	84.5	81.4	75.4				
PNDB			72.3	81.2	85.8	88.8	90.8	92.0	94.0	96.0	97.4	97.4	92.0	87.5	82.5	73.6				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

PROC. DATE - MONTH 79 DAY 0 HR: 0:8

SPL INPUT AT STD REV. ALPHA 12473		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHLI			
		FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0	PHLI
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	(0)	
NO EGA		30	78.7	75.7	78.8	79.2	81.4	81.2	82.3	84.6	86.3	88.3	87.0	93.3	96.0	95.4					147.2
REG. AC. G.		63	75.8	76.6	76.3	76.8	78.0	78.9	81.0	82.2	84.2	85.7	87.0	93.1	94.8	94.6					146.2
RADIAL 320, FT.		80	77.3	78.0	79.0	77.9	79.2	78.8	81.4	82.1	84.2	85.2	88.0	92.3	93.9	94.8					145.9
(98. M)		150	77.7	80.2	79.4	79.8	80.0	79.0	80.9	83.4	84.8	87.5	90.0	91.8	92.2	93.7					145.8
VEHICLE JENOTS		125	78.1	77.9	79.0	78.7	79.5	80.7	82.2	83.3	84.9	87.1	88.7	90.7	90.9	89.2					144.6
CONFIG JE-060		160	76.7	77.4	78.6	78.0	79.7	79.9	82.4	83.4	84.4	86.6	88.8	91.2	89.4	86.2					144.3
LOC EVENDALE		230	76.3	78.7	78.9	78.5	79.8	80.8	82.0	82.8	83.9	86.0	88.1	89.2	86.9	83.2					143.2
DATE 05-08-75		250	77.9	77.4	77.8	79.9	80.7	81.1	81.6	82.1	83.5	84.9	86.9	87.8	83.9	81.3					142.3
RUN CBT-NOVEL 3		315	76.3	78.6	78.8	78.0	79.4	80.0	81.0	81.7	83.1	84.6	85.0	85.7	82.0	78.5					141.2
TAPE X30050		400	74.9	77.8	78.3	79.0	79.2	79.7	80.3	81.7	82.6	84.7	84.5	84.7	80.4	77.7					140.8
BAR 29.4 HG		500	73.1	76.6	78.1	78.2	79.3	79.5	80.3	81.8	82.4	85.3	84.2	82.4	78.2	76.4					140.5
499279, N/M2		630	73.6	76.9	78.0	78.5	78.9	79.2	80.4	82.2	83.7	86.6	85.9	83.3	78.7	77.0					141.5
TAMB 72, DEG F		800	74.0	78.1	79.5	80.6	80.4	80.7	81.4	83.2	84.6	86.5	86.4	83.2	79.4	77.6					142.2
(295, DEG K)		1000	73.0	79.0	80.5	81.0	80.5	81.1	81.2	83.2	84.7	86.9	86.4	82.0	79.1	77.9					142.4
TKET 98, DEG F		1250	72.3	78.5	80.7	81.1	80.8	80.9	81.0	82.8	84.7	86.7	86.4	81.3	79.2	78.6					142.5
(286, DEG K)		1600	70.8	76.6	80.5	80.4	80.6	80.3	80.6	82.2	83.2	85.3	84.2	80.1	78.1	77.2					141.5
HACT 0, GM/M3		2000	68.7	77.3	79.3	78.8	79.8	79.5	79.6	80.9	82.2	83.6	82.5	78.3	77.0	75.4					140.6
(, KG/M3)		2500	66.0	75.3	76.5	76.8	76.8	76.2	78.1	79.4	81.0	82.0	80.1	76.1	74.9	73.7					138.7
FREQ. SHIFT		3150	63.5	73.9	74.9	75.8	74.0	74.0	75.4	77.0	78.5	79.8	76.7	73.1	73.2	71.7					136.8
JET 9		4000	59.9	73.4	71.2	71.4	70.0	70.6	72.4	74.1	74.5	76.2	73.8	70.4	70.7	68.4					134.1
DIAMETER RATIO		5000	58.1	68.1	68.8	68.6	66.9	66.2	68.2	70.3	71.4	72.7	69.4	67.3	68.0	66.8					131.1
DF/DH 8.00		6300	56.0	64.2	64.9	64.5	63.4	62.2	64.0	67.7	68.4	71.1	66.8	66.5	66.9	65.0					129.1
OVERALL CALCULATED		8000	53.9	61.3	61.2	61.2	61.0	58.7	60.7	67.0	65.0	70.9	66.2	67.7	87.6	65.2					130.4
PND8		10000	58.1	59.5	58.3	57.6	60.6	58.9	60.0	67.9	65.1	73.6	66.4	69.9	69.4	66.6					134.4
			58.1	90.6	91.7	91.9	92.4	92.7	93.8	95.2	96.6	98.7	99.3	101.2	101.7	101.4					156.2
			94.3	100.3	101.7	101.6	102.0	102.0	102.9	104.6	105.9	107.7	106.8	105.2	103.9	103.2					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F; 70 PERCENT REL. HUM.; DAY)

SPL INPUT AT STD REV. ALPHA 12/73		FREQ. (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (3.0) (3.15) (3.3) (3.46)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
NO EGA		50	54.8	54.1	58.8	60.2	63.2	63.4	64.7	66.8	68.1	69.4	67.0	71.7	72.1	68.1	
SIDELINE 2400 FT		80	51.9	54.9	58.2	57.8	59.7	61.0	63.3	64.4	65.9	66.7	66.9	71.5	70.9	67.1	
(73.52 N)		100	53.3	56.2	58.8	58.4	60.9	60.9	63.4	64.2	65.9	66.2	67.8	70.6	69.9	67.2	
NFA 0 RPM		125	53.5	56.3	59.2	60.7	61.6	61.1	63.1	65.4	66.4	68.4	69.7	69.9	68.0	65.9	
(0 RAD/SEC)		150	53.7	55.9	56.7	59.5	61.1	62.7	64.3	65.3	66.4	67.9	68.4	68.7	66.5	61.2	
NFK 0 RPM		180	52.2	55.3	56.1	59.5	61.2	61.8	64.4	65.3	65.9	67.3	68.4	69.1	64.9	57.8	
(0 RAD/SEC)		200	51.5	56.4	58.3	59.0	61.1	62.9	63.9	64.5	65.2	66.6	67.5	66.9	62.1	54.5	
NFD 0 RPM		250	52.7	54.8	57.0	60.3	61.9	62.7	63.3	63.7	64.7	65.3	66.1	65.2	58.7	52.1	
(0 RAD/SEC)		315	50.8	55.7	57.7	58.1	60.3	61.4	62.5	63.1	64.0	64.8	63.9	62.8	56.4	48.7	
AIRFLOW RATIO		400	48.8	54.2	56.9	58.9	59.8	60.8	61.6	62.9	63.3	64.5	63.1	61.4	54.3	47.0	
WF/W 8.00		500	46.3	52.8	56.3	57.7	59.6	60.3	61.2	62.7	62.8	64.8	62.3	58.6	51.4	44.7	
		630	46.0	52.5	55.6	57.5	58.9	59.7	61.0	62.6	63.6	65.7	63.5	58.8	51.0	44.0	
		800	45.3	52.0	56.4	59.0	59.8	60.6	61.5	63.0	63.9	64.8	63.3	57.9	50.6	43.0	
VEHICLE JENOTS		1000	42.9	52.7	56.6	58.6	59.2	60.3	60.7	62.4	63.4	64.5	62.5	55.6	49.0	41.2	
CONFIG JEM000		1250	40.5	50.0	55.7	57.8	58.6	59.4	59.7	61.3	62.5	63.4	61.4	53.6	47.4	39.4	
LOC EVENDALE		1600	36.6	49.1	54.0	55.8	57.2	57.6	58.2	59.5	59.8	60.7	57.6	50.6	43.9	34.4	
DATE 05-08-75		2000	31.6	45.6	50.9	52.7	54.9	55.5	55.8	56.8	57.4	57.4	54.1	46.6	39.9	28.2	
RLN DBTF-MODEL 3		2500	24.6	40.4	45.5	48.3	49.9	50.2	52.3	53.3	54.1	53.5	49.2	41.2	33.6	20.3	
TAPE X30000		3150	15.4	33.9	39.7	43.6	43.8	44.8	46.5	47.7	48.2	47.6	41.5	33.1	25.2	9.2	
FAN TIP SPEED		4000	1.8	22.7	29.7	33.8	34.7	36.6	38.8	40.1	39.2	38.5	32.3	22.7	12.6		
FT/SEC		5000		15.9	23.3	27.7	28.7	29.5	31.9	33.6	33.2	31.8	24.2	15.2	4.0		
		6300			8.9	14.2	16.6	17.3	19.7	22.8	21.6	20.8	10.8	1.2			
		8000					1.0	1.4	4.2	9.7	5.0	6.2					
OVERALL CALCULATED		10000	53.0	66.8	69.6	71.0	72.6	73.4	74.8	76.0	77.0	78.2	78.0	79.0	77.5	73.7	
PNDB			53.1	70.2	74.4	76.3	77.8	78.3	79.6	80.9	81.5	82.4	80.6	78.5	73.5	67.5	

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
REV.	ALPHA 12/75	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.0)	(3.0)	(3.0)
NO EGA	50	80.2	77.7	80.8	80.2	82.4	82.5	84.1	85.8	87.8	90.3	89.5	95.0	98.5	97.1					149.2
RCG. NO. 5	63	78.8	79.8	81.6	80.5	81.2	82.9	84.5	85.5	88.2	88.9	91.2	96.4	98.3	96.3					149.4
RADIAL 326 FT.	80	79.8	81.2	82.2	80.7	82.2	82.0	84.6	86.1	88.2	88.7	91.4	95.3	96.6	96.3					148.8
(98.4)	100	80.5	81.9	82.1	82.0	83.0	83.0	84.9	87.6	88.5	91.5	93.5	94.5	94.5	95.2					148.8
VEHICLE JENOTS	125	81.3	80.1	82.0	82.4	83.8	84.2	85.4	86.8	88.6	90.8	92.2	93.2	92.6	89.7					147.6
CCAFIC JET 1060	160	80.2	81.2	82.6	82.8	83.2	83.7	85.7	86.9	87.9	90.1	92.3	94.0	90.4	87.2					147.3
LCC EVENDALE	200	79.6	82.2	82.4	82.8	84.3	84.8	86.3	87.5	88.1	90.0	91.4	91.7	88.6	85.5					146.2
DATE 15-08-75	250	81.0	81.9	82.6	84.4	85.0	86.1	86.6	87.1	88.5	89.4	91.2	91.3	87.6	85.1					146.7
RLN D6TF-MODEL 3	315	81.1	82.6	83.5	83.5	84.6	85.2	86.2	87.7	89.1	90.4	90.1	89.7	86.0	83.5					146.4
TAPE X30080	400	79.9	83.2	84.1	85.1	85.7	85.9	86.9	88.0	88.9	91.5	90.3	89.0	86.2	84.0					146.9
BAR 29.4 HG	500	78.6	82.9	84.1	85.2	85.8	86.5	87.3	88.6	90.7	92.8	89.5	87.7	85.2	82.9					147.4
(99313, K/42)	630	79.4	82.9	84.5	85.8	86.7	87.3	88.5	90.5	93.0	95.7	90.6	88.1	85.2	84.5					149.2
TAMB 71. DEG F	800	79.8	84.6	86.1	87.7	89.0	89.8	90.7	93.0	95.4	98.0	91.9	89.3	86.2	84.7					151.4
(295, DEG K)	1000	80.5	85.6	87.6	88.6	89.8	90.9	91.5	94.7	96.8	99.5	94.0	89.8	86.9	85.9					152.9
TNET 34. DEG F	1250	80.6	86.1	88.1	89.4	90.6	91.3	92.4	95.4	98.3	100.3	95.5	90.6	87.8	86.2					154.0
(285, DEG K)	1600	80.4	88.0	90.3	90.0	90.7	91.7	92.0	95.3	97.0	99.4	95.3	90.2	88.2	86.6					153.7
HACT 6. GM/M3	2000	79.3	87.1	87.9	88.2	90.1	89.9	91.3	93.3	95.3	96.7	93.6	88.9	87.4	86.2					152.1
4. KG/M3	2500	76.6	84.9	86.6	87.6	87.6	87.6	89.4	91.2	93.3	94.1	90.5	86.5	86.1	84.9					150.2
FREQ. SHIFT	3150	74.1	83.0	84.8	85.4	85.1	85.6	87.5	88.8	90.3	90.9	86.8	83.5	83.1	82.5					147.9
JET 9	4000	69.7	78.5	80.8	81.8	81.8	82.9	84.7	85.9	86.8	87.8	83.4	80.5	79.8	78.5					145.4
DIAMETER RATIO	5000	67.1	76.0	77.8	79.3	78.9	79.4	81.4	82.5	83.6	83.2	79.6	76.6	76.8	75.8					142.4
DF/DN 8.00	6300	63.5	71.4	74.2	75.2	75.1	75.7	77.7	78.9	79.4	80.0	75.5	75.7	75.6	74.2					140.0
OVERALL CALCULATED	8000	60.6	67.3	69.9	71.1	71.9	71.4	73.4	75.2	76.0	76.9	71.9	76.6	76.6	74.4					139.0
PND8	10000	59.1	61.3	67.0	67.5	69.8	69.1	70.9	72.4	71.5	75.5	68.6	78.6	79.1	76.3					140.7
		92.7	96.6	98.2	98.8	99.8	100.4	101.5	103.7	105.7	107.8	104.9	104.7	104.8	103.6					163.0
		102.0	108.1	109.7	110.5	111.1	111.4	112.8	114.7	116.5	118.3	115.1	112.6	111.4	110.0					

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD REV. ALPHA 12773		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.
NO EGA		50	56.3	56.1	60.8	61.2	64.2	64.7	66.4	68.0	69.6	71.4	73.4	74.6	69.8				
SIDELINE 24037 FT.		63	54.9	58.2	61.5	61.5	63.0	65.0	66.8	67.6	69.9	70.0	71.1	74.7	74.4	68.9			
AFA 0. RPM		80	55.9	59.5	62.1	61.7	63.9	64.1	66.9	68.2	69.9	69.7	71.3	73.6	72.6	68.7			
NFK 0. RPM		100	56.3	60.1	61.9	62.9	64.6	65.1	67.1	69.7	70.2	72.4	73.2	72.7	70.3	67.4			
NFD 0. RPM		125	57.0	58.2	61.7	63.2	63.3	66.2	67.5	68.8	70.2	71.7	71.9	71.2	68.3	61.7			
AIRFLOW RATIO 8.00		150	55.7	59.1	62.1	63.5	64.7	65.6	67.7	68.8	69.4	70.8	71.9	71.9	65.9	58.8			
VEHICLE - JENOTS		200	54.8	59.9	61.8	63.3	63.6	66.5	68.2	69.3	69.4	70.6	70.7	69.4	63.8	56.7			
CONFIG JET060		250	56.5	59.3	61.7	64.8	66.2	67.7	68.3	68.7	69.7	69.8	70.4	68.7	62.5	55.8			
DATE 05-08-75		315	55.5	59.7	62.4	63.6	65.6	66.6	67.8	69.1	70.0	70.5	69.0	66.9	60.4	53.7			
RUN DBTF-MODEL 3		400	53.8	59.9	62.7	64.9	66.4	67.1	68.2	69.1	69.6	71.3	68.8	65.7	60.1	53.3			
TAPE X33080		500	51.8	59.0	62.3	64.7	66.1	67.3	68.3	69.4	71.0	72.3	67.6	63.9	58.4	51.3			
FAN TIP SPEED		630	51.8	58.5	62.2	64.8	66.6	67.7	69.1	70.9	72.9	74.7	68.3	63.6	57.6	51.6			
FT/SEC		800	51.1	59.3	63.0	66.1	68.3	69.7	70.8	72.8	74.7	76.4	68.8	63.9	57.4	50.0			
OVERALL CALCULATED		1000	50.4	59.2	63.6	66.2	68.5	70.1	71.0	74.0	75.5	77.1	70.0	63.4	56.8	49.3			
PROB		1250	48.8	58.4	63.1	66.1	68.4	69.7	71.0	73.9	76.1	77.0	70.5	63.0	56.0	47.0			
		1600	46.2	58.5	63.8	65.4	67.3	69.0	69.5	72.6	73.6	74.8	68.7	60.7	54.0	43.8			
		2000	42.2	55.4	59.5	62.0	65.3	65.8	67.4	69.2	70.5	70.5	65.2	57.2	50.3	39.1			
		2500	35.3	50.0	55.6	59.1	60.7	61.5	63.7	65.2	66.4	65.6	59.5	51.6	44.7	31.4			
		3150	26.0	43.0	49.6	53.2	54.9	56.4	58.6	59.6	60.0	58.7	51.6	43.4	35.0	19.0			
		4000	11.6	30.8	39.3	44.1	46.5	48.9	51.1	51.9	51.5	50.1	41.9	32.8	21.7				
		5000	3.1	23.8	32.5	38.4	40.7	42.7	45.1	45.8	45.4	42.3	34.4	24.4	12.8				
		6300		6.1	18.1	24.9	28.3	30.8	33.4	34.0	32.6	29.7	19.5	10.5					
		8000				6.4	12.0	14.1	16.9	17.9	16.0	12.1							
		10000																	
		OVERALL CALCULATED	56.5	71.2	74.6	76.6	78.6	79.7	81.0	82.9	84.4	85.6	82.5	82.0	80.2	75.4			
		PROB	58.7	77.6	82.2	84.4	86.5	87.8	89.0	91.2	92.4	93.2	88.5	83.4	78.0	71.5			

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 16 DAY 0 HR. 0¹⁸
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F, 70 PERCENT REL. HUM., DAY = JENDYS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0, 0, 0			PWL
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	210.	220.
REV. ALPHA 12/73		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)	(3.67)
NO EGA		90	83.4	81.7	85.6	84.7	86.4	86.2	87.8	89.8	92.1	94.8	94.8	100.0	103.2	101.4					153.4
RTG. AC. 0.		63	83.1	84.3	86.1	85.0	86.5	86.9	90.0	91.0	92.4	93.9	96.0	101.1	102.6	99.8					153.9
RADIAL 320, FT.		80	84.1	83.2	86.4	83.2	86.7	86.7	89.8	91.1	93.4	94.4	97.2	100.3	101.1	99.0					153.5
(98. 4)		100	84.5	87.2	86.6	87.1	88.0	88.0	90.2	92.6	94.0	97.0	98.7	99.3	98.7	98.5					153.6
VEHICLE JENDYS		125	86.1	85.4	87.5	87.2	88.3	89.2	90.9	91.8	94.4	96.8	98.2	98.4	96.6	93.9					152.9
CORFIC JET 068		160	85.7	86.2	87.4	87.3	88.5	88.4	91.2	92.7	93.9	96.6	99.1	99.0	95.2	91.7					153.0
LOC EVENDALE		200	84.6	87.5	87.4	87.8	88.6	86.7	91.8	93.2	94.3	96.5	98.1	97.2	94.9	90.3					152.6
DATE 05-08-75		250	85.9	87.1	86.8	89.4	91.5	90.1	91.5	93.3	95.2	96.6	97.7	97.0	94.4	91.5					152.8
FLA DBTF-MODEL 3		315	85.6	87.6	87.8	88.3	89.6	90.5	91.5	93.4	95.6	97.6	96.5	96.2	93.7	90.8					152.7
TAP X30100		400	84.9	88.5	88.6	89.3	90.7	91.2	92.3	94.2	96.4	98.2	97.0	96.4	94.1	91.2					153.3
EAR 29.4 HG		500	84.3	87.3	86.6	89.9	91.0	92.2	93.2	95.6	97.7	99.0	96.4	95.9	93.4	91.1					153.9
(99212, 1742)		630	84.1	88.1	89.7	90.9	91.9	92.4	94.2	96.6	99.9	100.2	96.3	95.7	93.6	91.2					155.2
TAMP 71, DEG F		800	84.7	89.3	91.2	92.0	93.9	94.9	95.6	98.6	101.5	101.4	96.8	95.4	93.1	91.1					156.4
(295, DEG K)		1000	85.6	91.7	92.2	93.7	95.7	96.5	97.9	101.4	102.4	102.3	97.6	95.1	93.8	92.3					158.1
TNET 55, DEG F		1250	86.7	92.9	94.4	96.0	97.2	97.6	99.7	102.7	105.3	103.6	98.8	96.2	94.4	92.7					159.8
(266, DEG K)		1600	87.2	93.8	95.4	97.1	98.2	98.5	100.3	103.1	105.3	104.4	99.6	96.8	95.2	93.1					160.3
WACT 0, GH/M3		2000	85.9	92.2	94.9	96.5	97.6	97.9	99.5	101.8	103.5	103.2	99.1	96.2	94.2	91.5					159.5
(1, KG/M3)		2500	82.8	89.4	91.3	94.4	94.9	94.8	97.2	98.5	100.9	99.9	96.5	93.5	90.8	88.4					158.9
FREQ. SHIFT		3150	60.8	88.5	90.0	92.1	92.9	92.9	94.6	96.1	98.3	96.9	92.6	90.5	88.1	85.0					154.8
JET 9		4000	77.3	83.8	86.6	88.6	89.4	91.2	92.0	93.2	94.3	94.8	90.0	86.3	84.1	81.3					152.6
DIAMETER RATIO		5000	74.5	81.3	83.5	86.0	86.6	87.4	88.6	89.7	91.6	90.6	85.8	83.0	81.7	78.9					148.6
DF/DM 8.00		6300	71.2	77.2	78.9	82.0	81.6	83.2	85.4	87.1	88.1	88.1	82.8	80.8	79.6	76.2					147.6
OVERALL CALCULATED		8000	68.8	73.0	75.2	77.9	77.7	80.0	81.7	84.0	85.2	85.9	79.9	78.9	78.6	75.6					146.9
PNDB		10000	67.9	68.5	70.5	72.5	73.5	78.6	80.7	81.9	82.1	85.6	77.6	79.9	79.1	76.3					147.6
			97.9	101.9	103.5	104.9	106.1	106.9	108.2	110.7	112.9	112.7	110.3	109.3	109.9	107.7					160.0
			108.1	113.3	115.3	116.9	117.9	118.4	120.1	122.2	124.1	124.1	120.7	119.0	117.2	114.7					

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD REV, ALPHA-12/73		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ:		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190
NO EGA		50	59.6	60.1	65.5	65.7	68.2	68.4	70.2	72.0	73.8	75.9	74.7	78.4	79.4	74.1		
SIDELINE 2400 FT		80	60.0	63.8	66.3	66.2	68.4	68.9	72.1	73.2	75.1	75.4	77.1	78.6	77.1	71.5		
(731.52 M)		100	60.3	65.3	66.4	67.9	69.6	70.1	72.4	74.7	75.7	77.9	78.5	77.4	74.5	70.7		
NFA 0, RPM		125	61.7	63.4	67.2	68.0	69.8	71.2	73.0	73.8	75.9	77.7	77.9	76.5	72.3	65.9		
(0, RAD/SEC)		160	61.2	64.1	66.9	68.1	69.9	70.3	73.2	74.6	75.4	77.3	78.6	76.9	70.6	63.3		
NFK 0, RPM		200	59.7	65.2	66.8	68.0	69.9	71.5	73.7	75.0	75.7	77.0	77.5	74.9	70.1	61.7		
(0, RAD/SEC)		250	61.7	64.5	66.0	69.8	71.6	71.7	73.3	75.0	76.4	77.0	76.9	74.5	69.2	62.3		
NFD 0, RPM		315	60.0	64.7	66.7	68.1	70.6	71.9	73.0	74.8	76.5	77.7	75.4	73.3	68.1	60.9		
(0, RAD/SEC)		400	58.6	65.2	67.1	69.1	71.3	72.3	73.8	75.3	77.0	78.0	75.5	73.1	68.0	60.5		
AIRFLOW RATIO		500	57.5	64.0	66.7	69.4	71.3	73.0	74.2	76.4	78.0	78.5	74.6	72.1	66.6	59.4		
WF/WB 8.00		630	56.5	63.7	67.3	69.5	71.8	72.9	74.8	77.1	79.9	79.9	73.9	71.3	66.0	58.3		
		800	56.0	64.0	68.1	71.2	73.2	74.8	75.7	78.5	80.9	79.8	73.7	70.1	64.3	56.4		
VEHICLE JENOTS		1000	55.5	64.3	68.3	71.3	74.4	75.8	77.3	80.6	82.1	80.0	73.6	68.8	63.7	55.6		
CONFIG JE-060		1250	54.9	65.2	69.4	72.7	75.0	76.0	78.3	81.2	83.2	80.3	73.8	68.5	62.6	53.5		
LCC EVENDALE		1600	53.0	64.3	68.6	72.5	74.8	75.8	77.8	80.4	81.9	79.8	73.0	67.3	61.0	50.3		
DATE 05-00-75		2000	48.7	60.8	66.6	70.3	72.8	73.9	75.7	77.7	78.7	77.0	70.8	64.5	57.0	44.4		
RLN BETF-MODEL 3		2500	41.5	54.3	60.3	65.9	68.0	68.8	71.4	72.5	73.9	71.4	65.5	58.6	49.5	34.9		
TAPE X30100		3150	32.8	48.5	54.8	60.0	62.6	63.7	65.7	66.8	68.1	64.7	57.4	50.4	40.0	21.5		
FAN TIP SPEED		4000	19.1	36.1	45.1	50.9	54.1	57.2	58.4	59.2	59.0	57.1	48.4	38.6	26.0			
FT/SEC		5000	10.5	29.3	38.2	45.1	48.3	50.6	52.3	53.0	53.4	49.7	40.6	30.8	17.9			
		6300		11.9	22.9	31.7	34.8	38.3	41.2	42.2	41.3	37.7	26.8	15.5				
		8000			2.6	13.2	17.7	22.6	25.2	26.7	25.3	21.1	7.3					
		10000						3.9	7.1	7.2	3.8	0.7						
OVERALL CALCULATED			71.2	76.3	79.6	82.0	84.2	85.3	87.2	89.4	91.1	90.5	88.2	87.3	85.0	79.2		
PNDB			74.2	83.2	87.4	90.8	93.2	94.3	96.2	98.4	99.9	98.7	93.8	89.9	84.6	76.7		

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE 4 MONTH 70 DAY 0 HR. 0.8 DAY 4 JENOTS

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUMIDITY)

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															PHL
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	
NO EGA	50	80.7	77.2	82.3	82.2	83.9	83.0	84.8	87.6	89.3	91.3	90.8	96.0	99.5	98.4		150.3
RFG, NO. C.	63	78.6	79.1	80.3	78.8	79.5	80.9	82.7	84.5	86.7	87.9	90.2	97.1	99.3	96.8		149.6
RADIAL 320, FT.	80	79.1	80.2	80.5	79.0	81.2	80.5	82.9	84.6	86.9	88.7	92.0	96.3	97.9	97.6		149.4
VEHICLE JENOTS	100	79.0	81.7	80.4	81.0	81.8	80.8	82.9	85.6	87.3	90.5	93.2	95.8	95.7	96.7		149.0
CCNFIG JET-080	125	79.8	78.9	80.5	80.2	81.3	82.2	84.4	85.3	87.1	90.3	92.0	93.7	92.6	91.7		147.2
LCC EVENDALE	160	78.2	79.2	79.9	80.5	81.2	81.7	83.9	85.7	86.7	89.6	92.8	94.2	91.2	88.2		147.0
DATE 05-08-75	200	77.8	79.7	80.2	80.5	81.8	82.0	84.3	85.5	86.4	88.5	91.6	91.7	88.6	84.5		145.7
RLN DBTF-MODEL 3	250	79.6	78.9	79.3	81.4	82.2	82.6	83.3	84.9	86.0	87.7	90.2	90.5	86.9	83.3		144.9
TAPE X30110	315	77.6	79.1	80.3	79.3	80.9	82.0	82.0	84.0	85.6	87.1	87.8	88.0	83.2	80.0		143.5
BAR 29.4 HG	400	76.4	79.0	79.6	80.3	80.9	80.7	82.3	83.7	84.4	87.2	87.2	86.5	81.6	79.2		142.9
99313, N/M2	500	74.6	78.3	79.4	80.2	80.3	80.7	82.0	83.8	84.7	87.5	85.9	83.9	79.7	77.1		142.4
TAKB 72, DEG F	630	74.9	78.2	80.0	80.6	80.7	81.2	82.7	84.2	86.5	89.4	86.9	84.0	79.4	77.7		143.5
(295, DEG K)	800	75.0	79.3	81.3	81.9	82.2	82.2	83.2	84.9	86.8	89.5	88.1	84.7	79.9	77.9		144.2
THEY 55, DEG F	1000	74.7	80.5	82.0	82.2	82.5	82.8	83.5	85.2	87.0	89.4	88.4	84.0	80.1	78.9		144.5
(286, DEG K)	1250	74.3	80.2	81.5	82.6	82.8	82.7	83.0	85.3	86.7	89.4	87.9	83.0	80.2	78.8		144.4
HACT 0, GM/M3	1600	72.6	79.9	82.2	82.2	82.3	82.1	82.9	84.5	85.9	87.8	86.4	81.6	79.8	78.2		143.7
4, KG/M3	2000	70.5	78.8	80.5	80.3	81.0	80.5	81.6	82.9	84.4	86.3	83.7	79.8	77.8	76.1		142.2
FREQ. SHIFT	2500	68.2	76.5	77.5	78.5	78.0	78.2	80.3	81.6	83.0	84.5	81.4	77.4	75.7	74.2		140.6
DIAMETER RATIO	3150	66.0	75.2	76.2	77.0	76.0	76.0	77.9	79.5	81.0	81.8	78.5	74.9	74.2	73.2		138.9
DF/DM 8.00	4000	62.9	71.7	73.5	73.9	72.0	72.8	74.9	76.6	77.5	78.9	75.8	72.2	72.0	70.1		135.5
OVERALL CALCULATED	5000	60.9	69.6	70.6	71.1	70.2	69.5	71.7	73.3	74.7	75.5	71.9	69.3	69.5	68.3		133.9
PNDB	6300	59.0	66.2	67.7	68.0	65.9	66.5	69.2	69.9	70.9	73.3	68.8	68.0	67.9	66.2		132.2
	8050	58.4	63.1	64.3	64.4	63.0	63.5	67.7	68.0	67.5	72.6	67.0	68.2	68.4	65.9		132.5
	10000	58.6	60.7	59.8	60.1	61.3	67.2	69.0	68.7	65.8	74.1	66.6	70.1	69.4	67.3		135.7
		89.8	92.0	93.3	93.6	94.2	94.3	95.8	97.5	99.1	101.4	102.3	104.4	105.1	104.0		158.9
		96.1	101.7	103.2	103.4	103.7	103.7	105.3	106.8	108.2	110.2	109.0	107.5	106.2	105.2		

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)															
SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
REV. ALPHA 12/73	FREQ.	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	0'	0'
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)
	50	56.8	55.6	62.3	63.2	65.7	65.2	67.2	69.8	71.1	72.4	70.7	74.4	75.6	71.1		
	63	54.6	57.4	60.2	59.8	61.2	63.0	65.0	66.6	68.4	69.0	70.1	75.5	75.4	69.4		
SIDELINE 2400' FT	80	55.0	58.5	60.3	59.9	62.9	62.6	65.1	66.7	68.6	69.7	71.8	74.6	73.9	70.0		
(731.52 M)	100	54.8	59.8	60.2	61.9	63.4	62.8	65.1	67.7	68.9	71.4	73.0	73.9	71.5	68.9		
	125	55.5	56.9	60.2	61.0	62.8	64.2	66.5	67.3	68.7	71.2	71.6	71.7	68.3	63.7		
NFA 0. RPM	160	53.7	57.1	59.4	61.2	62.7	63.6	65.9	67.6	68.1	70.3	72.4	72.1	66.8	59.8		
(0. RAD/SEC)	200	53.0	57.4	59.5	61.0	63.1	63.8	66.2	67.3	67.7	69.1	71.0	69.4	63.8	55.7		
NFK 0. RPM	250	54.5	56.3	58.5	61.8	63.4	64.2	65.1	66.5	67.2	68.0	69.4	68.0	61.7	54.1		
(0. RAD/SEC)	315	52.0	56.2	59.2	59.14	61.8	63.4	63.5	65.4	66.5	67.3	66.7	65.1	57.6	50.2		
NFD 0. RPM	400	52.3	55.7	56.2	60.1	61.6	61.8	63.6	64.9	65.0	67.0	65.9	63.1	55.5	48.5		
(0. RAD/SEC)	500	47.8	54.5	57.5	59.7	60.6	61.5	63.0	64.7	65.0	67.0	64.1	60.1	52.9	45.3		
AIR FLOW RATIO	630	47.3	53.7	57.6	59.3	63.5	61.7	63.3	64.6	66.4	68.4	64.5	59.6	51.8	44.8		
WF/KM 8.00	800	46.3	54.0	58.2	60.3	61.5	62.1	63.2	64.8	66.2	67.8	65.0	59.4	51.1	43.2		
VEHICLE JENDTS	1000	44.6	54.2	58.1	59.9	61.2	62.1	62.9	64.4	65.7	67.0	64.5	57.6	50.0	42.2		
CCNFIG JE=C60	1250	42.5	52.6	56.5	59.5	60.6	61.1	61.7	63.8	64.5	66.2	62.9	55.4	48.4	39.6		
LCC EVENALE	1600	38.4	50.4	55.7	57.6	59.0	59.4	60.4	61.8	62.5	63.2	59.9	52.1	45.6	35.4		
DATE 05-08-75	2000	33.4	47.1	52.2	54.2	56.2	56.5	57.8	58.8	59.6	60.1	55.4	48.1	40.7	29.0		
RLN CBTF=1.00EL 3	2500	26.9	41.6	46.5	50.0	51.1	52.2	54.6	55.6	56.1	56.0	50.4	42.5	34.4	20.8		
TAPE X30110	3150	27.9	35.1	41.0	44.9	45.8	46.8	49.0	50.2	50.7	49.6	43.2	34.8	26.2	17.7		
FAN TIP SPEED	4000	4.8	24.0	31.9	36.3	36.7	38.8	41.3	42.6	42.2	41.2	34.3	24.5	13.8			
FT/SEC	5000		17.4	25.3	30.2	31.9	32.7	35.4	36.6	36.3	34.6	26.7	17.2	5.5			
	6300		0.9	11.7	17.7	19.1	21.6	24.9	25.0	24.1	23.0	12.8	2.7				
	8000					3.0	8.1	11.2	10.7	7.5	7.9						
OVERALL CALCULATED	10000	84.7	68.3	71.3	72.7	74.4	75.0	76.7	78.4	79.5	81.1	81.3	82.3	81.0	76.4		
PND8		84.9	71.7	76.0	78.1	79.6	80.3	81.8	83.3	84.1	85.2	83.6	81.4	76.4	70.6		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	0°	0°	0°	PWL
REV. ALPHA 12/73	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.0)	(3.0)	
NO EGA	50	62.4	79.5	83.8	82.9	84.9	85.5	86.8	89.1	91.1	94.1	93.3	98.5	102.7	101.4			153.0
REG. NO. 0	63	81.6	82.1	83.8	82.0	84.0	85.1	87.7	88.2	90.2	91.4	94.2	99.6	102.1	99.3			152.8
RADIAL 320, FT.	85	81.6	82.9	83.9	82.7	83.9	83.7	86.6	88.9	90.7	91.9	94.9	98.6	100.9	99.3			152.1
(98. M)	125	82.8	82.1	84.5	83.7	85.3	86.4	87.7	89.3	90.6	93.8	95.2	98.9	97.7	97.7			151.7
VEHICLE - JENOTS	160	81.7	83.2	83.9	84.0	85.2	85.9	88.2	89.4	90.2	93.1	95.3	96.7	92.4	89.9			149.9
CCAFIG - JE-060	250	81.3	84.0	84.4	84.3	85.6	86.8	88.3	89.5	90.4	93.0	94.4	94.0	90.4	87.2			149.1
LCC EVENDALE	250	83.1	82.9	84.1	85.9	86.7	87.6	87.8	89.4	90.5	92.2	93.7	93.0	89.6	86.6			148.7
LATE 03-08-75	315	82.3	84.1	85.3	84.8	86.4	87.0	88.2	89.5	91.1	91.9	92.1	91.7	88.2	85.5			148.3
RLN DBTF-MODEL 3	400	81.4	84.7	85.4	86.3	87.2	87.4	88.6	89.3	90.6	92.7	92.0	91.2	88.7	86.0			148.5
TAPE X30130	500	83.3	84.1	85.4	86.5	87.1	88.0	89.3	90.6	92.7	94.3	91.0	90.0	88.0	85.2			149.1
EAR 29.4 HG	630	81.4	84.4	85.8	87.0	88.0	89.0	90.2	92.2	95.3	97.2	91.4	90.3	87.4	85.8			150.9
(99313, N/H2)	800	83.8	85.6	87.3	88.7	91.2	91.5	92.5	94.5	97.4	99.5	93.2	90.5	88.2	85.9			153.0
TAMB 71, DEG F	1000	82.0	86.3	88.8	90.3	91.6	92.6	93.5	96.2	99.6	101.5	94.5	91.0	88.4	86.9			154.8
(295, DEG K)	1250	82.9	86.6	90.8	92.4	92.8	93.3	94.6	97.6	100.5	102.3	95.5	92.1	89.8	87.9			156.1
THET 54, DEG F	1600	82.2	88.5	90.8	91.8	92.2	93.2	94.5	97.3	99.3	102.1	96.5	92.2	90.4	88.8			155.9
(285, DEG K)	2000	81.1	87.9	90.6	91.0	91.9	92.4	93.3	96.0	97.8	99.4	95.3	91.1	90.1	88.0			154.5
FACT 0: GM/M3	2500	79.1	86.6	89.1	89.6	89.6	89.8	91.7	93.7	95.6	96.1	92.5	89.0	87.6	86.6			152.3
(, KG/M3)	3150	76.3	84.5	86.5	87.9	87.1	87.6	89.5	91.3	92.8	93.9	88.8	86.0	84.3	83.0			150.3
FREQ. SHIFT	4000	72.2	80.5	82.3	84.3	83.6	85.9	87.2	88.4	88.8	90.3	85.7	82.0	81.3	78.7			147.7
JET 9	5000	69.8	77.3	79.3	81.3	81.1	82.2	83.9	84.8	85.6	86.7	81.6	78.3	78.0	76.5			144.8
DIAETER RATIO	6300	66.0	73.7	75.7	77.5	77.1	78.2	80.2	81.6	82.4	83.8	78.3	77.2	76.9	74.0			142.7
DF/CM 8.90	8000	62.1	69.5	71.7	73.1	72.9	73.7	76.2	77.7	79.2	82.9	76.4	77.6	77.3	74.9			142.1
	10000	59.6	67.2	67.8	68.8	71.0	70.4	72.7	74.1	76.8	83.5	76.4	79.4	78.9	76.3			144.2
OVERALL CALCULATED		74.5	78.0	100.0	100.8	101.5	102.5	103.6	105.9	108.1	110.1	106.9	107.5	108.3	106.6			165.3
PND8		103.8	109.6	111.7	112.5	112.9	113.6	115.0	117.1	118.9	120.9	117.0	114.8	113.6	111.7			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)
SPL INPUT AT STD	REV. ALPHA 12273	50	58.3	57.9	63.8	64.0	66.7	67.7	69.2	71.3	72.8	75.1	73.2	76.9	78.9	74.1	71.9	71.9
NO EGA	63	57.6	61.4	63.7	63.0	65.7	67.3	70.0	70.4	71.9	72.5	74.1	78.0	78.1	71.9	71.9	71.9	71.9
SIDELINE 2400 FT	80	57.5	61.2	63.8	63.7	65.7	65.9	68.9	71.0	72.4	72.9	74.8	76.8	76.9	71.7	71.7	71.7	71.7
(731.52 M)	100	58.3	62.1	63.9	65.4	66.9	67.6	69.6	71.0	72.2	73.4	76.2	76.2	73.5	69.9	69.9	69.9	69.9
NFA 0. RPM	125	58.5	62.2	64.2	64.5	66.8	68.4	69.8	71.3	72.2	74.7	74.9	74.0	70.3	63.9	63.9	63.9	63.9
(0. RAD/SEC)	160	57.2	61.1	63.4	64.7	66.7	67.8	70.2	71.3	71.6	73.8	74.9	74.6	67.9	61.6	61.6	61.6	61.6
NFK 0. RPM	200	56.8	61.7	63.8	64.8	66.9	68.5	70.2	71.3	71.7	73.6	73.7	71.7	65.6	58.5	58.5	58.5	58.5
(0. RAD/SEC)	250	58.0	61.3	63.2	66.3	67.9	69.3	69.6	71.0	71.7	72.5	72.9	70.5	64.5	57.3	57.3	57.3	57.3
NFD 0. RPM	315	56.8	61.2	64.2	64.9	67.3	68.4	69.8	70.9	72.0	72.0	71.0	68.9	62.7	55.7	55.7	55.7	55.7
(0. RAD/SEC)	400	55.3	61.4	63.9	66.1	67.9	68.6	69.9	70.6	71.3	72.5	70.6	67.9	62.6	55.3	55.3	55.3	55.3
AIRFLOW RATIO	500	53.6	60.3	63.5	66.0	67.4	68.8	70.3	71.4	73.0	73.8	69.1	66.1	61.2	53.5	53.5	53.5	53.5
WF/WB 8.00	630	53.8	60.0	63.4	66.0	67.9	69.4	70.8	72.6	75.2	76.2	69.0	65.8	59.8	52.8	52.8	52.8	52.8
	800	52.1	60.3	64.2	67.1	69.5	71.4	72.5	74.3	76.7	77.9	70.1	65.2	59.4	51.3	51.3	51.3	51.3
VEHICLE JENOTS	1000	51.9	60.0	64.9	68.0	70.2	71.9	73.0	75.5	78.2	79.1	70.5	64.7	58.3	50.3	50.3	50.3	50.3
CCNFIC JE-060	1250	51.1	60.9	65.8	69.1	70.7	71.7	73.3	76.4	78.3	79.0	70.5	64.5	58.0	48.7	48.7	48.7	48.7
LCC EVENDALE	1600	48.0	59.0	64.3	67.2	68.8	70.5	72.0	74.6	75.9	77.5	70.0	62.7	56.2	46.0	46.0	46.0	46.0
DATE 05-08-75	2000	44.0	56.2	62.3	64.8	67.1	68.3	69.4	71.9	73.0	73.2	67.0	59.4	53.0	40.8	40.8	40.8	40.8
RLN DBTF-MODEL 3	2500	37.8	51.7	58.1	61.1	62.7	63.8	65.9	67.7	68.7	67.6	61.5	54.1	46.2	33.2	33.2	33.2	33.2
TAPE X30130	3150	28.3	44.5	51.3	55.7	56.9	58.4	60.6	62.1	62.5	61.7	53.6	45.9	36.3	19.5	19.5	19.5	19.5
FAN TIP SPEED	4000	14.1	32.8	40.8	46.6	48.3	51.9	53.8	54.4	53.5	52.6	44.1	34.3	23.2	0.2	0.2	0.2	0.2
FT/SEC	5000	5.8	25.1	34.0	40.4	42.9	45.4	47.6	48.0	47.4	45.8	36.4	26.1	14.0				
	6380		8.4	19.6	27.1	30.3	33.3	35.9	36.7	35.6	33.5	22.3	12.0					
	8000				8.4	13.0	16.3	19.6	20.4	19.2	18.1	3.8						
	10000																	
OVERALL CALCULATED		68.3	72.8	76.4	78.3	80.3	81.6	83.1	85.1	86.6	87.8	85.0	85.0	83.9	78.6			
PNDB		70.5	78.8	83.6	86.3	88.2	89.7	91.3	93.4	94.7	95.8	90.3	86.0	81.3	74.2			

PROC. DATE = MONTH 98 DAY 0 HR. 0:8
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY = JENDTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	PHL
REV. ALPHA 12/73	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)
REG. NO. EGA	50	86.4	84.7	87.6	87.2	88.4	88.7	90.1	92.6	94.6	97.6	97.0	103.5	107.5	105.1
RADIAL 320. FT.	63	86.6	87.3	88.8	87.0	88.7	89.6	91.7	93.2	95.2	96.9	99.2	104.1	105.8	103.3
(98. M)	80	87.1	88.2	88.7	87.2	89.0	88.5	91.6	93.9	95.9	97.5	100.5	103.6	105.4	103.6
VEHICLE JENDTS	100	86.5	88.9	88.9	89.3	92.5	90.3	92.2	95.1	96.5	99.8	101.7	102.8	102.7	101.7
CCNFIG JET060	125	88.3	86.9	89.3	89.2	89.8	90.4	92.7	94.6	96.4	99.8	101.5	100.7	100.1	96.7
LAC EVENDALE	160	87.2	87.7	88.9	89.3	90.2	91.2	92.9	94.7	96.2	99.6	101.6	101.7	97.2	94.4
DATE 05-08-75	230	86.3	88.5	88.4	89.3	90.3	92.0	93.5	95.3	96.6	99.0	100.4	99.5	96.4	93.2
RLN DBTF-MODEL 3	250	88.1	88.1	88.3	90.7	91.7	92.1	93.8	95.4	96.8	98.9	99.7	99.5	96.4	93.3
TYPE X30150	315	87.1	86.8	89.3	89.0	90.9	92.0	93.7	95.5	97.6	98.6	99.0	98.7	96.0	93.0
BAR 29.4 HG	400	86.9	89.0	89.1	90.3	91.9	92.7	93.8	95.5	98.1	99.4	98.2	98.5	96.1	93.7
(99246, N/M2)	500	85.6	88.1	89.4	90.7	92.3	93.0	94.5	96.6	99.7	99.0	98.4	97.4	95.4	93.4
TAMB 72.1 DEG F	630	85.6	88.7	90.9	91.2	92.7	93.3	95.9	98.4	102.0	100.1	98.4	97.5	95.9	93.7
(295, DEG K)	800	86.0	93.1	91.5	92.6	94.9	95.5	97.4	99.9	102.8	101.0	98.4	97.7	96.1	93.6
THST 55.1 DEG F	1000	86.7	91.8	92.5	94.5	96.0	97.6	99.0	102.2	104.0	101.9	97.9	96.5	95.6	93.6
(286, DEG K)	1250	88.3	93.2	94.5	95.8	98.0	98.9	100.3	104.3	106.2	102.9	98.9	96.8	95.5	93.6
HACT 0.1 GM/M3	1600	88.1	94.9	95.7	97.2	99.1	99.8	101.9	104.5	106.4	104.3	100.2	97.4	96.1	93.7
(1, KG/H3)	2000	86.2	92.8	94.3	96.3	97.3	99.0	100.6	103.1	105.2	103.3	100.0	96.5	94.5	91.9
FREQ. SHIFT	2500	84.0	92.3	92.0	93.5	95.3	95.7	97.8	100.4	101.7	99.7	97.1	93.9	91.7	89.0
JET 9	3150	81.7	88.4	90.4	92.3	93.0	94.5	95.9	97.7	99.5	97.3	93.0	90.4	88.2	85.7
DIAMETER RATIO	4000	78.4	84.9	86.7	88.9	90.0	91.8	93.4	94.8	95.7	94.2	89.8	86.9	85.2	81.6
DF/CM 8.00	5000	75.4	82.1	84.3	85.9	86.7	88.0	89.7	91.6	92.9	90.7	86.7	83.6	82.5	79.0
OVERALL CALCULATED	6300	72.0	77.9	79.9	82.2	82.7	84.5	86.5	88.2	89.7	88.1	83.1	81.3	79.9	76.7
PND8	8000	69.9	73.8	75.5	78.2	78.7	81.0	83.2	85.3	87.0	86.1	80.2	79.7	79.1	75.9
	10000	68.4	68.7	70.8	73.1	74.3	79.4	81.5	82.9	84.1	85.1	77.9	80.6	79.6	76.6
		99.5	102.9	104.1	105.3	106.9	107.8	109.6	112.2	114.2	113.2	112.2	112.8	113.2	110.9
		109.2	114.1	115.5	117.1	118.4	119.7	121.4	123.7	125.6	124.4	121.9	120.1	118.6	116.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STD REV. ALPHA 12/73		LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		32.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	(0.)	(0.)	(0.)
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
FREQ.		50	62.6	63.1	67.5	68.2	70.2	70.9	72.4	74.8	76.3	78.6	77.0	81.9	83.6	77.8		
NO EGA		63	62.6	65.7	68.7	68.0	70.5	71.8	74.0	75.4	76.9	78.0	79.1	82.5	81.9	75.9		
SIDELINE 2400 FT		80	63.0	66.5	68.6	68.2	70.7	70.6	73.9	76.0	77.6	78.4	80.3	81.8	81.4	76.0		
(731.52 H)		100	62.3	67.1	68.7	70.2	72.1	72.3	74.4	77.2	78.2	80.7	81.5	80.9	78.8	73.9		
NFA 0. RPM		125	64.0	64.9	68.9	70.0	71.3	72.4	74.8	76.6	77.9	80.7	81.1	78.7	75.8	68.7		
(0. RAD/SEC)		160	62.7	65.6	68.4	70.2	71.7	73.1	74.9	76.6	77.6	80.3	81.1	79.6	72.6	66.1		
NFK 0. RPM		200	61.5	66.2	67.8	69.8	71.6	73.8	75.4	77.0	77.9	79.6	79.7	77.2	71.6	64.5		
(0. RAD/SEC)		250	63.0	65.5	67.5	71.1	72.9	73.7	75.6	77.0	77.9	79.3	78.9	77.0	71.2	64.1		
NFD 0. RPM		315	61.5	66.0	68.2	69.1	71.8	73.4	75.3	76.9	78.5	78.8	77.9	75.8	70.4	63.2		
(0. RAD/SEC)		400	60.8	65.7	67.7	70.4	72.6	73.8	75.1	76.6	78.8	79.3	76.8	75.1	70.0	63.0		
AIRFLOW RATIO		500	58.8	64.3	67.5	70.2	72.6	73.8	75.5	77.14	80.0	78.5	76.6	73.6	68.7	61.7		
WF/KM 8.00		630	58.0	64.2	68.1	70.3	72.6	73.9	76.5	78.9	81.9	79.2	76.0	73.1	68.3	60.8		
		800	57.3	64.8	68.4	71.0	74.3	75.4	77.5	79.8	82.2	79.3	75.3	72.4	67.3	59.0		
VEHICLE JENOTS		1000	56.6	65.4	68.6	72.1	74.7	76.8	78.4	81.4	82.7	79.5	74.0	70.1	65.5	57.0		
CCNF IG JE-060		1250	56.5	65.6	69.5	72.5	75.8	77.4	78.9	82.8	84.0	79.7	73.9	69.1	63.7	54.4		
LCC EVENDALE		1600	53.9	65.4	69.2	72.6	75.7	77.1	79.4	81.8	83.0	79.7	73.6	67.9	61.9	50.9		
DATE 15-08-75		2000	49.1	61.1	65.9	70.2	72.7	75.0	76.8	79.1	80.4	77.1	71.6	64.8	57.4	44.7		
RUN IBTF-MODEL 3		2500	42.6	55.4	61.0	65.0	68.4	69.7	72.1	74.3	74.8	71.2	66.2	59.0	50.4	35.6		
TAPE X30150		3150	33.7	48.4	55.2	60.4	62.8	65.3	67.0	68.5	69.2	65.1	57.7	50.3	40.2	22.2		
FAN TIP SPEED		4000	20.3	37.2	45.2	51.3	54.7	57.8	59.8	60.8	60.4	56.5	48.3	39.2	27.1	3.1		
FT/SEC		5000	11.4	29.9	39.1	45.0	48.4	51.2	53.4	54.8	54.7	49.8	41.5	31.4	18.5			
		6360		12.7	23.9	31.9	35.9	39.6	42.2	43.3	42.9	37.8	27.0	16.0				
		8000			21.9	13.4	18.8	23.6	26.7	27.9	27.0	21.4	7.6					
		10000						4.7	7.9	8.2	5.8	0.2						
OVERALL CALCULATED			73.2	77.6	80.6	82.8	85.3	86.7	88.7	91.0	92.6	91.7	90.5	90.2	88.6	82.8		
PNDB			75.9	84.2	88.1	91.2	94.1	95.6	97.8	100.0	101.4	99.1	95.2	92.0	87.4	79.9		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY = JENOTS)															PROC. DATE & MONTH 63 DAY 0 HR. 0.0				
ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
SPL INPUT AT STD	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0	0
REV, ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)
NO EGA	50	82.4	79.2	83.3	83.2	83.2	84.2	87.1	89.1	91.1	93.6	93.5	98.5	101.7	100.6				
REG, AC, 0.	63	81.3	81.8	82.8	81.0	82.0	82.9	85.2	87.0	88.7	90.7	93.0	99.6	102.3	98.8				
RADIAL 320, FT.	80	81.3	82.2	82.5	81.6	82.7	82.3	85.4	87.6	89.7	91.0	94.7	99.3	101.4	100.3				
VEHICLE JENOTS	100	81.2	83.2	82.4	82.8	83.5	82.8	85.2	88.4	89.8	93.0	95.7	98.0	98.7	99.3				
COAFIG JE=000	125	81.6	80.9	82.5	81.9	82.8	84.4	86.2	87.8	89.6	93.1	95.0	95.9	95.1	93.9				
LCC EVENDALE	160	80.2	80.9	81.6	81.8	83.0	83.4	85.7	87.2	89.4	92.6	95.6	97.2	93.2	91.2				
DATE 35-08-75	200	79.8	81.2	81.7	82.3	83.3	84.3	86.0	87.3	89.1	91.3	94.4	94.2	90.9	88.0				
RLN CBTF-MODEL 3	250	80.6	80.9	81.3	82.9	83.5	84.6	85.1	86.9	88.5	90.2	92.7	93.0	89.1	86.8				
TAPE 130150	315	79.3	81.3	81.6	80.8	82.4	83.5	84.5	86.2	87.6	89.6	90.0	90.2	85.7	84.0				
BAR 29.4 HG	400	76.4	81.2	81.6	82.5	82.9	82.7	84.1	85.7	86.9	88.9	89.5	88.0	84.6	82.7				
99313, N/42	500	76.6	80.1	80.9	81.4	81.8	82.7	83.8	85.6	87.4	89.0	88.2	85.9	81.9	79.9				
TAMB 72, DEG F	630	76.9	80.2	81.5	81.7	81.9	83.0	84.7	86.2	88.5	91.9	88.6	86.0	81.9	80.0				
(295, DEG K)	800	77.0	81.6	83.3	83.1	84.2	84.5	85.7	87.2	89.1	92.5	89.6	85.7	82.9	80.6				
THET 58, DEG F	1000	77.2	82.5	83.8	84.0	84.8	85.1	86.0	87.9	90.0	93.1	90.4	86.2	82.9	81.1				
(286, DEG K)	1250	76.8	82.5	83.2	84.8	83.3	85.2	85.8	87.6	89.9	92.7	89.0	85.3	83.0	81.6				
HACT 3, GM/M3	1600	75.6	81.9	83.7	83.4	84.1	84.6	85.1	87.2	88.9	91.3	88.9	84.4	82.1	80.3				
(1, KG/M3)	2000	73.0	81.0	82.0	81.5	83.0	83.3	84.4	85.6	87.7	88.8	86.5	82.3	80.3	78.1				
FREQ, SHIFT	2500	70.2	78.0	79.2	79.8	80.3	80.5	82.3	83.9	86.0	86.5	83.1	79.1	78.2	76.0				
JET 9	3150	68.2	76.2	77.4	78.0	77.8	77.8	80.2	81.5	83.2	84.0	79.5	76.9	76.7	74.4				
DIAMETER RATIO	4000	64.1	72.7	73.7	74.2	73.5	74.8	76.6	78.1	79.2	80.2	76.8	74.7	74.5	72.1				
DF/CM 8.03	5000	61.9	70.1	71.3	72.1	71.4	70.5	72.9	74.6	75.9	76.7	72.9	73.3	73.0	71.3				
OVERALL CALCULATED	6300	59.0	66.2	67.4	66.2	66.4	67.0	69.2	70.4	71.9	74.1	69.1	74.3	74.6	71.7				
PND8	8000	58.6	62.8	63.7	63.7	63.2	65.5	68.1	68.5	68.5	73.1	66.7	76.7	76.6	73.9				
	10000	58.6	60.2	58.8	59.6	61.1	67.2	69.0	69.2	66.1	74.3	66.9	78.6	78.9	76.6				
		91.8	94.0	95.1	95.1	96.0	96.4	97.9	99.7	101.6	104.1	104.8	106.9	108.0	108.9				
		98.3	103.6	104.7	104.7	105.4	105.9	107.4	109.0	110.8	112.7	111.2	110.3	109.4	108.1				

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FINAL PAGE IS
POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

SFL INPUT AT STD REV: ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	180.	270.
NO EGA	50	53.6	57.6	63.3	64.2	66.9	66.4	69.4	71.3	72.8	74.6	73.5	76.9	77.9	73.3		
SIDELINE 2400' FT	80	57.3	60.5	62.3	61.9	64.4	64.4	67.6	69.7	71.4	71.9	74.6	77.6	77.4	72.7		
(731.52 M)	100	57.0	61.3	62.2	63.7	65.1	64.8	67.4	70.4	71.4	73.9	75.5	76.2	74.5	71.7		
NFA	125	57.2	58.9	62.2	62.7	64.3	66.4	68.3	69.8	71.2	73.9	74.6	74.0	70.8	65.9		
(0, RAD/SEC)	160	55.7	58.8	61.1	62.5	64.4	65.3	67.7	69.1	70.9	73.3	75.1	75.1	68.6	62.8		
NFK	200	54.8	58.9	61.0	62.8	64.6	66.0	67.9	69.0	70.4	71.8	73.7	71.9	66.1	59.2		
(0, RAD/SEC)	250	55.5	58.3	60.5	63.3	64.7	66.2	68.8	68.5	69.7	70.5	71.9	70.5	64.0	57.6		
NFB	315	53.8	58.5	60.7	60.9	63.3	64.9	66.0	67.6	68.5	69.8	68.9	67.3	60.1	54.2		
(0, RAD/SEC)	400	52.3	57.9	60.2	62.4	63.6	63.8	65.4	66.9	67.5	68.8	68.1	64.6	58.5	52.0		
AIRFLOW RATIO	500	49.8	53.3	59.0	60.9	62.1	63.3	64.7	66.4	67.8	68.5	66.3	62.1	55.2	48.2		
WF/WM 8.00	630	49.3	53.7	59.1	60.3	61.9	63.4	65.3	66.6	68.4	70.9	66.2	61.6	54.3	47.0		
	800	48.3	56.3	60.2	61.5	63.5	64.4	65.7	67.0	68.4	70.8	66.5	60.4	54.1	46.0		
VEHICLE JENOTS	1000	47.1	56.2	59.8	61.6	63.4	64.3	65.4	67.2	68.7	70.8	66.5	59.9	52.8	44.5		
CCNFIG JE-060	1250	45.0	54.8	59.2	61.5	63.1	63.6	64.4	66.0	67.8	69.4	64.9	57.6	51.2	42.4		
LCC EVENDALE	1600	41.4	52.4	57.2	58.8	60.7	61.9	62.7	64.5	65.5	66.7	62.4	54.9	47.9	37.7		
DATE 05-08-75	2000	35.9	49.3	53.7	55.7	58.2	59.2	60.6	61.6	62.9	62.6	58.1	50.6	43.2	31.0		
RUN DBTF-MODEL 3	2500	28.9	43.1	48.2	51.3	53.4	54.4	56.6	57.8	59.1	58.0	52.2	44.2	36.9	22.6		
TAPE X30160	3150	20.2	36.1	42.2	45.9	47.5	48.6	51.3	52.2	52.9	51.8	44.2	36.8	28.7	10.9		
FAN TIP SPEED	4000	6.0	25.0	32.2	36.9	38.2	40.8	43.1	44.1	43.9	42.5	35.3	27.0	16.3			
FT/SEC	5000		17.9	26.1	31.2	32.2	33.7	36.6	37.8	37.7	35.8	27.7	21.2	9.0			
	6300		0.9	11.4	17.9	19.6	22.1	24.9	25.5	25.1	23.8	13.0	9.0				
	8000					3.3	8.1	11.4	11.2	8.5	8.4						
OVERALL CALCULATED	10000	66.6	70.3	73.1	74.3	76.1	77.0	78.8	83.6	81.9	83.7	83.9	84.9	83.8	78.8		
PND8		66.8	73.7	77.7	79.6	81.4	82.6	84.0	85.7	86.9	88.1	86.2	84.2	79.7	73.8		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50, DEG, F, 70 PERCENT REL, HULL DAY = JENOTS)

PROC DATE 4 MONTH 30 DAY 0 HR, 00

ANGLES FROM INLET IN DEGREES (AND RADIAN)

SPL INPUT AT STD	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	PWL
REV, ALPHA 12/73	FREQ	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	
NO EGA	50	84.4	82.2	85.8	84.9	86.9	86.2	88.3	90.8	93.1	95.8	96.0	102.0	106.2	103.6			155.9
RDG, NO, 0	63	84.8	85.3	86.3	84.5	86.0	86.6	89.2	90.7	92.7	94.2	96.7	103.1	105.3	102.6			155.7
RADIAL 320, FT.	80	84.8	85.7	85.9	84.4	85.9	86.2	89.1	91.1	93.4	94.4	98.2	102.3	104.6	102.8			155.3
(98, 4)	100	84.0	86.7	85.9	86.0	87.5	87.5	89.2	91.6	93.8	96.8	99.2	101.8	101.5	100.7			154.5
VEHICLE JENOTS	125	85.3	83.6	85.8	85.9	86.5	88.2	89.4	91.3	92.9	96.8	98.2	98.4	98.1	95.4			152.8
CCNFIG JE-60	160	84.0	84.7	85.9	85.8	86.7	87.9	89.9	91.2	92.7	95.6	98.3	99.2	94.9	94.9			152.3
LCC EVENDALE	200	82.8	85.7	85.7	85.5	87.1	88.3	89.3	91.0	92.4	95.3	97.6	96.7	93.1	90.0			151.4
DATE 05-08-75	250	84.9	84.6	84.8	86.4	87.7	88.6	89.6	91.4	92.5	94.4	96.2	95.8	92.4	89.1			150.8
RUN DBTF-MODEL 3	315	83.6	85.6	86.3	85.8	87.4	88.2	89.2	90.7	92.3	94.4	94.6	94.0	91.0	87.8			150.1
TAPE X30185	400	83.1	85.5	86.1	87.3	87.9	88.7	89.9	91.2	92.4	95.0	94.0	93.0	90.4	87.5			150.2
BAR 29.4 HG	500	81.8	84.9	86.1	87.0	87.8	89.2	90.0	91.9	94.2	95.3	93.2	92.2	89.5	86.9			150.5
(99313, N/H2)	630	82.4	85.7	86.5	88.0	88.5	90.0	91.7	94.0	96.8	97.2	93.6	92.3	89.7	87.0			150.0
TAMB 71, DEG F	800	82.8	86.6	88.1	89.4	91.2	92.5	93.7	96.0	98.4	99.5	93.7	92.0	89.9	87.4			153.8
(295, DEG K)	1000	83.3	87.8	89.1	91.3	92.8	94.8	95.3	98.0	100.8	101.2	95.2	92.3	89.9	88.2			155.7
THET 54, DEG F	1250	84.1	89.6	90.8	92.8	94.1	94.8	95.3	98.9	102.3	103.3	96.8	92.9	91.3	89.2			155.3
(285, DEG K)	1500	84.2	90.0	91.6	93.0	94.2	94.9	96.7	99.3	101.8	103.1	97.3	94.0	92.9	90.3			155.1
HACT 0, GM/H3	2000	83.1	89.6	92.1	92.5	93.9	94.1	95.5	97.5	99.5	100.9	96.6	92.9	92.4	89.7			156.1
(1, KG/H3)	2500	80.6	88.4	90.1	90.9	91.1	91.3	93.2	95.0	97.6	98.1	94.3	90.5	89.6	86.6			154.0
FREQ, SHIFT	3150	77.8	86.3	87.3	88.4	88.6	89.6	91.0	93.1	94.3	95.6	90.6	87.5	86.3	83.3			151.9
JET 9	4000	74.5	82.3	83.6	85.5	85.6	88.1	89.2	90.4	91.1	92.8	87.7	84.3	83.6	80.2			149.9
DIAMETER RATIO	5000	72.6	80.0	81.8	83.3	83.6	84.2	86.1	87.0	88.1	88.9	84.1	81.1	80.5	77.5			147.1
DF/CM 8.50	6300	68.7	77.2	77.7	79.7	79.1	80.7	82.9	84.6	85.1	86.8	81.3	79.2	78.6	75.5			145.5
OVERALL CALCULATED	8000	65.1	73.8	73.9	75.6	75.4	76.4	78.7	81.5	82.8	84.6	78.7	78.9	78.6	75.9			144.5
PND8	10000	61.4	73.7	69.5	70.5	71.5	72.4	74.7	80.1	79.0	85.0	77.4	79.9	79.6	76.8			146.8
		96.4	99.7	101.0	101.9	103.0	103.0	105.3	107.5	109.9	111.3	109.1	110.4	111.6	109.3			169.2
		105.8	111.4	112.8	113.7	114.6	115.3	116.8	118.8	120.8	122.3	118.7	116.8	115.9	113.3			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)
NO EGA	50	60.6	60.6	65.8	66.0	68.7	68.4	70.7	73.0	74.8	76.9	76.0	80.4	82.4	76.3		
SIDELINE 2400' FT	80	60.9	63.7	66.2	65.5	67.7	68.8	71.5	72.9	74.4	75.2	76.6	81.5	81.4	75.1		
(731.52 M)	100	60.8	64.0	65.8	65.4	67.7	68.4	71.4	73.2	75.1	75.4	78.1	80.6	80.6	75.2		
NFA 0. RPM	125	59.8	64.8	65.7	66.9	69.1	69.6	71.4	73.7	74.7	77.7	79.0	79.2	77.3	72.9		
0. RAD/SEC	150	59.4	62.6	65.4	66.5	68.2	69.8	71.5	73.3	74.4	77.7	77.9	76.5	73.8	67.4		
NFK 0. RPM	200	58.0	63.4	65.0	66.0	68.4	70.0	71.7	72.8	73.7	75.8	77.0	74.4	68.3	61.2		
0. RAD/SEC	250	59.7	62.0	64.0	66.8	68.9	70.3	71.3	73.0	73.7	74.8	75.4	73.2	67.2	59.8		
NFD 0. RPM	315	58.0	62.7	65.2	65.9	68.3	69.6	70.8	72.1	73.3	74.5	73.5	71.1	65.4	57.9		
0. RAD/SEC	400	57.0	62.2	64.7	67.1	68.6	69.8	71.2	72.4	73.1	74.8	72.6	69.7	64.3	56.8		
AIRFLOW RATIO	500	55.1	61.0	64.3	66.3	68.1	70.1	71.0	72.7	74.5	74.8	71.4	68.4	62.7	55.3		
WF/WM 8.00	630	54.8	61.2	64.2	67.0	68.4	70.4	72.3	74.4	76.7	76.2	71.3	67.8	62.1	54.1		
	800	54.1	61.3	65.0	67.8	70.5	72.4	73.8	75.8	77.7	77.9	70.6	66.7	61.1	52.8		
VEHICLE JENOTS	1000	53.2	61.5	65.1	69.0	71.5	73.1	74.7	77.2	79.5	78.8	71.3	65.9	59.8	51.5		
CCNFIG JENOTS	1250	52.3	61.9	65.8	69.4	71.9	73.2	74.5	77.4	80.1	80.3	71.8	65.2	59.5	50.0		
LCC EVENDALE	1600	50.0	60.5	65.1	68.4	70.8	72.2	74.3	76.6	78.4	78.5	70.7	64.5	58.7	47.5		
DATE 05-08-75	2000	46.0	57.9	63.8	66.3	69.1	70.1	71.7	73.4	74.7	74.7	68.2	61.2	55.3	42.6		
RUN DBTF-MODEL 3	2500	39.3	53.5	59.1	62.4	64.2	65.3	67.4	68.9	70.7	69.6	63.3	55.6	48.2	33.2		
TAPE X30180	3150	29.8	40.2	52.1	56.2	58.4	60.4	62.1	63.8	64.0	63.4	55.3	47.4	38.3	19.8		
FAN TIP SPEED	4000	16.3	34.6	42.0	47.8	51.3	54.2	55.6	56.4	55.8	55.1	46.1	36.6	25.4	1.7		
FT/SEC	5000	8.6	27.8	35.8	42.4	45.4	47.4	49.8	50.3	49.9	48.0	38.9	28.9	16.5			
	6300		11.9	21.6	29.4	32.3	35.8	38.7	39.7	38.3	36.5	25.3	14.0				
	8000			1.3	10.9	15.5	19.1	22.1	24.1	22.0	19.9	6.1					
	10000						1.1	5.4	0.8		0.2						
OVERALL CALCULATED		70.3	74.5	77.5	79.5	81.7	83.1	84.7	86.7	88.5	89.2	87.5	88.1	87.3	81.5		
PNDB		72.3	80.4	84.8	87.5	89.9	91.3	93.2	95.2	96.8	97.1	92.0	88.6	84.7	77.1		

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

SPL INPUT AT STD REV, ALPHA 12273	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PHL
	(3.92)	(5.70)	(8.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	
NC EGA	50	88.7	88.7	90.6	88.7	90.4	91.2	92.6	95.3	96.8	100.3	101.0	106.5	111.2	108.1			160.7
REG, AC, 0	63	89.8	89.8	91.1	89.0	90.0	91.4	94.3	96.0	97.4	98.7	101.7	106.9	109.1	107.3			159.9
RADIAL 320. FT.	85	90.6	90.0	90.7	89.0	91.0	90.0	93.9	95.9	98.7	100.2	103.7	106.6	109.7	108.1			159.5
(98.4)	100	90.0	90.9	91.1	91.0	92.0	92.8	94.7	97.4	98.8	102.8	104.7	105.8	105.7	105.5			159.6
VEHICLE JENOTS	125	90.8	89.1	91.0	90.4	91.3	92.4	94.7	97.1	99.1	102.6	103.7	103.4	103.4	99.9			158.2
CCNFJG JEF080	160	89.7	90.2	91.1	90.5	92.2	93.2	95.4	96.9	98.7	102.4	104.6	104.7	100.2	97.4			158.3
LOC EVENDALE	200	88.5	90.3	90.2	91.0	92.3	93.2	95.3	97.2	98.8	101.8	103.3	102.2	98.9	96.2			157.3
CATE 05-08-75	250	90.1	89.8	89.5	91.9	93.0	93.9	95.3	97.6	99.2	101.1	102.4	102.0	98.6	96.0			157.1
RLN LBTJ-MODEL 3	315	88.8	89.8	90.5	90.2	92.1	93.2	95.0	97.4	99.8	100.6	101.0	101.0	98.2	95.3			156.5
TAPE X30200	400	88.4	89.7	90.6	91.5	92.9	93.6	95.1	96.9	99.6	100.9	101.2	100.7	98.9	95.9			156.6
BAR 29.4 HG	500	87.5	89.0	90.6	91.4	93.2	94.2	96.0	98.0	100.9	100.5	100.1	99.9	98.1	95.8			156.7
(99178, N/M2)	630	87.8	89.6	90.5	91.9	93.4	94.7	96.4	99.6	103.2	101.6	100.6	100.2	98.3	95.7			157.8
TAMB 72, DEG F	800	87.2	88.5	92.2	93.8	95.1	96.4	97.8	100.8	104.5	101.1	100.1	99.4	98.0	94.8			158.5
(295, DEG K)	1000	87.8	91.4	92.6	94.9	96.9	98.2	99.13	102.8	105.6	102.5	99.5	98.6	97.0	94.2			159.7
THET 56, DEG F	1250	88.1	92.3	94.1	95.6	97.6	99.2	101.1	104.9	106.5	103.5	99.5	98.1	96.3	93.7			160.9
(288, DEG K)	1600	88.4	93.7	94.8	96.2	98.1	99.6	102.5	104.8	106.2	103.8	100.5	97.2	95.6	92.5			161.3
HACT 0, GM/M3	2000	86.5	92.3	93.6	95.6	98.0	99.1	100.9	103.4	105.2	103.1	99.5	96.3	94.0	90.9			160.4
(, KG/M3)	2500	84.2	89.6	91.5	93.3	95.3	96.0	98.9	100.4	102.3	100.0	97.2	93.4	91.0	88.3			157.9
FREQ. SHIFT	3150	81.5	87.9	89.4	91.3	96.8	94.1	96.5	97.5	99.2	96.8	92.7	90.1	88.2	84.4			155.9
JET 9	4000	77.4	83.0	85.3	87.7	89.1	91.9	93.9	94.9	96.0	94.0	89.9	86.5	84.8	80.7			153.2
DIAMETER RATIO	5000	74.7	80.1	82.1	84.7	86.0	87.1	89.3	91.2	93.0	89.8	86.0	82.7	81.4	77.9			150.8
BF7DM 8.00	6300	71.3	75.7	77.5	80.8	81.9	83.5	85.7	87.9	89.7	86.8	82.1	80.3	78.9	75.5			147.1
	8000	68.6	72.1	73.7	77.4	79.5	80.0	82.0	84.5	86.5	84.7	78.7	79.4	78.1	75.2			146.7
	10000	67.9	68.8	69.1	75.6	76.8	78.4	80.2	82.2	82.8	85.3	76.6	80.1	79.1	76.3			147.7
OVERALL CALCULATED		101.4	103.3	104.5	105.5	107.5	108.4	110.4	113.0	115.1	114.4	114.4	115.3	116.4	114.3			171.9
PND8		150.0	113.9	115.2	116.9	119.7	119.9	121.9	124.3	126.2	124.8	122.6	121.1	119.6	116.9			

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM., DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	0°	0°	0°
SPL INPUT AT STD		30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	170'	180'			
REV. ALPHA 12/73		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(0.0)	(0.0)	(0.0)
NO EGA		50	64.8	65.1	70.5	69.7	72.2	73.4	74.9	77.5	78.6	81.4	81.0	84.9	87.4	80.8				
SIDELINE 2400' FT		63	65.9	68.2	71.0	70.0	71.7	73.5	76.8	78.1	79.2	79.7	81.6	85.2	85.1	79.9				
(731.52 M)		100	66.5	68.2	70.6	69.9	72.7	72.9	76.1	78.0	80.4	81.2	83.6	84.8	85.6	80.5				
NFA 0. RPM		125	66.5	67.2	70.7	71.2	72.8	74.4	76.8	79.1	80.7	83.4	83.4	81.5	79.0	71.9				
(0. RAD/SEC)		160	65.2	69.1	70.6	71.2	73.7	75.1	77.4	78.8	80.1	83.1	84.1	82.6	75.6	69.1				
NFK 0. RPM		200	63.7	68.2	69.5	71.5	73.6	75.0	77.2	79.0	80.2	82.3	82.7	79.9	74.1	67.5				
(0. RAD/SEC)		250	65.0	67.3	68.7	72.3	74.1	75.5	77.0	79.2	80.4	81.5	81.6	79.4	73.5	66.8				
AFD 0. RPM		315	63.3	66.9	69.4	70.4	73.1	74.6	76.5	78.8	80.8	80.7	79.9	78.1	72.6	65.4				
(0. RAD/SEC)		400	62.2	66.4	69.1	71.3	73.6	74.8	76.4	78.1	80.3	80.7	79.8	77.4	72.8	65.2				
AIR FLOW RATIO		500	60.7	65.2	68.7	70.9	73.6	75.0	76.9	78.9	81.2	80.0	78.3	76.1	71.4	64.2				
WF/KM 8.00		630	60.2	65.1	68.1	70.9	73.3	75.1	77.0	80.0	83.1	80.6	78.2	75.8	70.7	62.7				
		800	58.4	65.2	69.1	72.2	74.4	76.3	77.9	80.7	83.9	79.5	76.9	74.0	69.3	60.1				
VEHICLE JENOTS		1050	57.7	65.0	68.7	72.5	75.5	77.4	78.8	82.0	84.3	80.1	75.6	72.2	66.9	57.6				
CCNFIG JE-360		1250	56.3	64.7	69.1	72.4	75.4	77.7	79.8	83.4	84.3	80.2	74.5	70.5	64.5	54.5				
LCC EVENDALE		1600	54.2	64.2	68.2	71.6	74.8	76.9	80.0	82.1	82.8	79.2	74.0	67.7	61.4	49.7				
DATE 05-08-75		2000	49.6	63.6	65.2	69.4	73.2	75.0	77.1	79.4	80.4	76.9	71.1	64.6	56.9	43.8				
RLN DBTF-MODEL 3		2500	42.9	54.9	60.5	64.8	68.4	70.0	73.1	74.4	75.3	71.5	66.2	58.5	49.7	34.8				
TAPE X30200		3150	33.4	47.9	54.2	59.1	66.5	64.8	67.6	68.2	69.0	64.6	57.5	50.1	40.2	21.0				
FAN TIP SPEED		4000	19.3	35.3	43.7	50.1	53.8	57.9	59.4	60.9	60.7	56.3	48.3	38.8	26.6	2.1				
FT/SEC		5000	10.7	28.0	36.9	43.8	47.8	50.3	53.0	54.4	54.8	48.9	40.8	30.5	17.4					
		6300		10.4	21.4	30.5	35.1	38.6	41.5	43.0	42.9	36.5	26.1	19.0						
		8000			11.1	12.7	19.5	22.6	25.4	27.2	26.5	19.9	6.1							
		10000					0.5	3.7	6.6	7.4	4.5	0.5								
OVERALL CALCULATED			75.6	78.9	81.9	83.6	86.2	87.7	89.9	92.3	94.0	93.5	93.2	92.9	92.1	85.4				
PNDB			77.6	84.2	88.1	91.2	94.4	96.1	98.6	100.8	102.1	99.8	96.6	94.2	90.8	83.3				

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 0, 0, 0, PWLI)																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SFL INPUT AT STD	REV, ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PWLI
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	
NO EGA	63	50	82.7	80.7	83.8	84.4	85.9	85.7	88.3	90.1	92.1	95.3	95.5	101.0	104.0	102.4				154.5
RDG. NO. 0.	80	63	83.3	83.8	84.1	82.8	83.5	85.1	87.2	88.7	90.7	92.2	95.0	101.4	104.1	101.3				154.1
RADIAL 320. FT.	100	80	83.6	84.0	84.2	83.0	84.7	84.3	87.4	89.6	92.2	93.5	97.2	102.1	104.4	102.8				155.0
(98. M)	125	100	83.2	85.2	84.1	84.3	85.5	85.0	86.9	89.9	91.8	95.0	97.7	100.0	100.5	102.0				153.5
VEHICLE JENOTS	160	125	83.8	82.4	84.0	83.4	84.5	86.4	87.9	90.1	92.1	95.1	97.2	98.7	97.9	96.9				152.1
CCAFIG JE-C60	200	160	82.5	82.4	83.6	83.0	85.0	85.4	87.7	89.4	91.4	94.6	97.8	99.0	95.7	94.2				151.7
LCC EVENDALE	250	200	81.1	82.7	83.2	84.0	84.6	85.5	88.0	89.3	90.6	93.8	96.6	96.2	93.9	91.7				150.3
DATE 05-08-75	315	250	82.1	81.9	82.1	84.4	85.2	85.9	86.6	88.9	90.3	92.4	95.2	94.5	91.1	90.6				149.1
RUN CBTF-MODEL 3	400	315	80.1	81.6	82.5	81.8	84.1	84.7	86.2	87.7	89.8	91.4	92.8	92.2	88.7	87.8				147.6
TARE X30210	500	400	78.9	82.0	81.8	83.3	84.2	84.2	85.3	87.5	88.9	91.2	91.2	90.0	86.9	86.0				146.6
BAR 29.4 HG	630	500	77.3	80.6	81.9	82.9	83.8	84.5	85.5	87.6	89.4	90.8	89.4	87.2	83.9	81.6				146.0
(99313. N/42)	800	630	76.9	80.9	82.0	83.0	83.7	84.7	86.2	88.4	90.7	92.6	89.4	86.8	83.2	81.2				146.8
TAMB 72. DEG F	1000	800	77.0	81.3	83.8	85.1	85.4	86.2	87.4	89.4	91.3	94.7	90.1	87.2	83.6	81.6				148.2
(295. DEG K)	1250	1000	77.2	82.0	84.3	85.5	86.3	87.1	88.0	90.4	92.0	95.9	90.9	87.0	84.1	82.6				149.1
THET 55. DEG F	1600	1250	76.3	82.2	85.0	85.8	86.0	86.9	87.8	89.6	92.2	95.4	91.4	86.8	84.0	82.8				149.1
(286. DEG K)	2000	1600	75.1	81.9	84.7	85.8	85.8	86.1	87.1	89.5	91.2	93.5	90.7	85.6	83.6	81.2				148.3
WACT 0. GH/M3	2500	2000	72.5	80.3	82.3	83.8	85.0	85.3	85.9	88.6	89.9	91.6	88.5	84.0	82.0	79.6				147.0
(1. KG/M3)	3150	2500	70.5	78.6	80.7	81.3	82.3	82.2	83.6	86.4	88.7	89.0	85.6	81.4	79.7	78.0				148.0
FREQ. SHIFT	4000	3150	68.0	77.4	79.2	79.8	79.8	79.8	81.9	84.0	86.0	86.8	82.5	78.6	78.2	76.7				143.1
JET 9	5000	4000	64.9	73.7	75.7	76.4	75.8	77.1	78.9	81.3	82.0	83.2	79.1	76.2	76.0	74.4				140.8
DIAMETER RATIO	6300	5000	62.4	71.3	73.1	73.6	73.4	73.0	75.7	77.6	78.9	80.2	75.9	74.3	74.5	73.3				137.9
DF/CM 8.00	8000	6300	59.5	67.4	69.4	70.2	69.9	69.5	72.0	73.4	74.7	78.8	74.1	75.0	74.9	73.0				136.6
	10000	8000	58.6	64.1	67.0	67.2	68.2	67.0	69.2	70.5	70.7	80.4	74.2	77.2	76.6	74.7				138.6
OVERALL CALCULATED		10000	58.6	60.5	65.3	65.6	69.1	67.4	69.2	69.7	67.6	82.3	75.9	78.6	78.6	76.3				142.5
PND8			93.1	94.9	96.1	96.7	97.6	98.1	99.7	101.8	103.7	106.3	106.8	109.1	110.2	108.9				163.8
			98.7	104.0	105.7	106.6	107.4	107.8	109.1	111.4	113.2	115.3	113.3	112.0	111.5	110.4				

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)																		
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
REV. ALPHA 12273		FREQ. (C.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
AC EGA		50	58.8	59.1	63.8	65.5	67.7	67.9	70.7	72.3	73.8	76.4	75.5	79.4	80.1	75.1		
SIDELINE 2400 FT		63	59.4	62.2	64.0	63.8	65.2	67.3	69.5	70.9	72.4	73.2	74.9	79.7	80.1	73.9		
(731.52 M)		80	59.5	62.2	64.1	63.9	66.4	66.4	69.6	71.7	73.9	74.4	77.1	80.3	80.4	75.2		
NFA 0. RPM		100	59.0	63.3	63.9	65.2	67.1	67.1	69.1	71.9	73.4	75.9	77.5	78.2	76.3	74.2		
(0. RAD/SEC)		125	59.5	60.4	63.7	64.2	66.1	68.4	70.0	72.1	73.7	75.9	76.9	76.7	73.5	68.9		
NFK 0. RPM		150	57.9	60.3	63.1	63.7	66.4	67.3	69.7	71.3	72.9	75.3	77.4	76.9	71.1	65.8		
(0. RAD/SEC)		200	56.3	60.4	62.5	64.5	65.9	67.3	69.9	71.0	71.9	74.3	76.0	73.9	69.1	63.0		
NFD 0. RPM		250	57.0	59.3	61.2	64.8	66.4	67.5	68.3	70.5	71.4	72.8	74.4	72.0	66.0	61.3		
(0. RAD/SEC)		315	54.5	58.7	61.4	61.9	65.1	66.1	67.8	69.1	70.8	71.5	71.7	69.3	63.1	57.9		
AIRFLOW RATIO		400	52.8	58.7	60.4	63.1	64.8	65.3	66.6	68.6	69.5	71.0	69.8	66.6	60.8	55.3		
WF/WB 6.00		510	50.5	56.8	60.0	62.4	64.1	65.3	66.8	68.4	69.8	70.3	67.6	63.4	57.2	50.0		
		630	49.3	56.5	59.6	62.0	63.6	65.2	66.8	68.9	70.6	71.7	67.0	62.3	55.5	48.3		
		800	48.3	56.0	60.7	63.3	64.8	66.1	67.5	69.3	70.7	73.1	67.0	61.9	54.9	47.0		
VEHICLE JENOTS		1000	47.1	55.7	60.3	63.1	64.9	66.3	67.4	69.7	70.7	73.5	67.0	60.6	54.0	46.0		
CCNFIG JE-060		1250	44.5	54.6	60.0	62.5	63.8	65.4	66.4	68.0	70.0	72.2	66.4	59.1	52.2	43.6		
LCC EVENDALE		1600	40.9	52.4	58.2	61.1	62.5	63.4	64.7	66.8	67.8	68.9	64.1	56.1	49.4	38.4		
DATE 08-08-75		2000	35.4	48.6	53.9	57.7	61.2	62.1	64.6	65.1	65.4	60.1	52.3	44.9	32.5			
RUN CBTF-MODEL 3		2500	29.1	43.9	49.7	52.8	55.4	56.2	57.8	60.3	61.8	60.5	54.7	46.5	38.4	24.6		
TAPE X30210		3150	29.9	37.4	44.0	47.6	49.5	50.6	53.0	54.7	55.7	54.6	47.2	38.6	30.2	13.2		
FAN TIP SPEED		4000	6.8	26.0	34.2	38.8	40.5	43.1	48.3	47.3	46.7	45.5	37.5	28.3	17.8			
FT/SEC		5000		19.1	27.8	32.7	35.2	36.2	39.4	40.8	40.7	39.3	30.7	22.2	10.5			
		6300		2.2	13.4	19.9	23.1	24.6	27.7	28.5	27.9	28.5	18.0	9.7				
		8000				2.4	8.3	9.6	12.7	13.2	10.8	15.7	1.6					
OVERALL CALCULATED		15000	58.2	71.5	74.2	75.8	77.7	78.7	80.6	82.5	83.9	85.7	86.0	87.1	86.1	81.2		
726 FNDB			58.0	74.3	78.8	81.4	83.2	84.3	85.9	88.0	89.2	90.4	88.4	86.2	82.4	76.7		

SPL INPUT AT STD REV, ALPHA 12473	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	
NO EGA	50	86.2	84.0	87.8	86.9	88.7	88.5	90.3	92.8	95.1	98.1	98.0	104.5	108.5	106.4			158.1
REG. NO. 0	63	87.1	87.3	88.6	86.8	88.0	88.9	91.0	92.7	94.4	96.4	98.7	105.9	107.8	104.1			158.0
FADIAL 320, FT.	80	87.6	87.7	87.7	86.4	88.4	88.0	91.3	93.4	95.7	96.9	100.7	104.8	107.1	104.0			157.9
(98.4)	100	86.5	88.2	87.6	88.5	89.3	89.3	90.9	93.9	96.0	99.0	101.2	103.3	103.7	103.0			158.7
VEHICLE JENDOTS	125	87.1	86.1	88.0	87.7	88.8	89.7	91.7	93.6	95.6	99.1	100.7	101.2	99.9	97.9			155.1
CONFIG JENDOTS	160	85.5	85.4	87.4	87.8	88.5	89.7	92.2	93.4	95.2	98.1	101.1	101.7	97.7	94.7			154.8
LOC EVENDALE	200	84.3	86.7	87.9	87.5	88.8	90.5	91.8	93.7	94.8	97.3	99.8	99.0	95.9	91.7			153.7
DATE 05-08-75	250	86.1	86.3	86.0	88.7	89.7	90.1	91.8	92.8	94.7	96.9	99.2	97.5	94.4	91.0			153.1
RUN CBT-MODEL 3	315	85.1	83.6	88.0	87.5	88.6	90.0	91.7	93.7	95.1	96.4	97.3	96.5	92.9	89.5			152.4
TAPE X30230	400	83.9	87.2	87.8	88.8	90.2	90.2	91.8	93.2	94.6	96.4	96.5	95.7	92.9	89.7			152.2
BAR 29.4 HG	500	82.8	86.3	87.6	88.9	90.0	91.2	92.2	94.3	96.7	96.5	95.7	94.2	91.7	89.1			152.5
(99178, N/42)	630	83.1	85.9	88.0	89.5	90.4	91.9	93.7	95.6	98.7	98.4	95.8	94.7	91.9	89.2			153.8
TAMB 71. DEG F	800	83.5	88.3	89.7	91.3	92.9	94.4	95.1	97.9	100.8	99.7	95.8	94.2	92.1	89.3			155.4
(295, DEG K)	1000	84.1	88.7	90.5	92.4	94.2	96.0	96.7	99.6	102.4	101.1	96.3	94.1	92.1	90.1			156.9
TWET 55. DEG F	1250	85.4	90.6	92.2	94.7	95.7	97.1	98.2	101.5	104.3	103.1	97.8	94.7	92.9	91.2			158.8
(286, DEG K)	1600	85.7	92.0	93.9	95.8	96.7	97.2	99.3	102.1	104.3	103.9	99.1	95.8	93.5	92.4			159.5
FACT 0. GH/M3	2000	84.1	90.4	93.4	95.5	96.4	96.4	98.3	100.5	102.5	102.4	98.4	94.9	92.7	90.7			158.4
(1. KG/M3)	2500	81.1	88.4	90.1	92.4	93.4	93.8	95.5	97.5	99.6	99.9	95.5	92.5	89.3	87.1			155.9
FREQ. SHIFT	3150	77.8	86.0	87.5	90.6	90.9	91.9	93.1	94.8	97.1	96.4	91.6	88.7	86.6	83.8			153.6
JET 9	4000	74.3	81.8	84.1	87.1	87.4	89.7	90.5	91.9	93.3	93.6	88.7	85.1	83.1	80.5			151.2
DIA. METER RATIO	5000	71.5	78.7	81.0	83.8	84.6	85.4	87.6	88.2	90.6	89.6	85.1	81.7	79.7	77.7			148.3
DF/CM 8.00	6300	68.5	74.7	77.2	80.0	79.9	80.9	83.7	85.9	87.4	87.1	81.3	79.3	78.4	75.2			146.3
	8000	67.3	70.5	72.9	75.7	76.0	77.0	79.4	83.0	84.2	85.1	78.7	78.9	78.1	75.1			143.3
	10000	67.6	67.0	68.3	70.3	72.0	73.4	75.5	80.9	81.1	85.3	77.1	79.9	79.4	76.6			146.5
OVERALL CALCULATED		77.9	100.9	102.4	103.9	105.0	105.9	107.4	109.8	112.2	112.3	111.5	112.8	113.9	111.3			160.2
PND8		106.9	111.8	113.9	115.8	116.7	117.4	119.0	121.3	123.3	123.5	120.5	118.7	117.0	114.6			

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD REV. ALPHA 12/73		FREQ. (50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 180, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000, 6300, 8000, 10000)																ANGLES FROM INLET IN DEGREES (AND RADIANS)				0, 1, 2, 3			
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200								
NO EGA		50	62.3	62.4	67.8	68.0	70.4	70.7	72.7	75.0	76.8	79.1	78.0	82.9	84.6	79.1									
SIDELINE 2400 FT		60	63.5	66.0	67.6	67.4	70.2	70.1	73.6	75.5	77.4	77.9	80.6	83.1	83.1	76.5									
(731.52 M)		100	62.3	66.3	67.4	69.4	70.9	71.3	73.1	75.9	77.7	79.9	81.0	81.4	79.5	75.2									
NFA 0.1 RPM		125	62.7	64.2	67.7	68.5	70.3	71.7	73.8	75.6	77.2	79.9	80.4	79.2	75.5	69.9									
AFK 0.1 RAD/SEC		160	60.9	64.3	66.9	68.5	69.9	71.6	74.2	75.3	76.8	78.8	80.6	79.8	73.1	66.3									
AFK 0.1 RPM		200	59.5	64.4	67.3	68.0	70.1	72.3	73.7	75.5	76.2	77.8	79.2	76.6	71.1	63.0									
AFD 0.1 RAD/SEC		250	61.0	63.8	65.2	69.0	70.9	71.7	73.5	74.5	75.9	77.3	78.4	75.0	69.2	61.8									
AFD 0.1 RPM		315	59.5	63.9	66.9	67.6	69.6	71.4	73.3	75.1	76.0	76.5	76.2	73.6	67.4	59.7									
AIRFLOW RATIO		400	57.8	63.9	66.4	68.6	70.8	71.3	73.1	74.3	75.3	76.3	75.0	72.4	66.8	59.0									
WF/WM 8.00		500	56.0	62.5	65.7	68.4	70.3	72.0	73.2	75.1	77.0	76.0	73.8	70.3	64.9	57.4									
		630	55.5	61.4	65.6	68.5	70.3	72.4	74.3	76.1	78.6	77.4	73.4	70.3	64.3	56.3									
		800	54.7	62.7	66.6	69.7	72.2	74.3	75.2	77.7	80.1	78.0	72.7	68.8	63.3	54.7									
VEHICLE DENOTS		1000	54.0	62.3	66.5	70.1	72.9	75.3	76.1	78.9	81.1	78.7	72.4	67.8	61.9	53.4									
CCAFIG JE+060		1250	53.6	63.0	67.1	71.4	73.5	75.5	76.8	79.9	82.2	79.8	72.8	67.0	61.1	52.0									
LCC EVENDALE		1600	51.5	62.5	67.3	71.2	73.3	74.5	76.8	79.4	80.9	79.3	72.5	66.3	59.2	49.5									
DATE 05-08-75		2000	47.0	58.7	65.1	69.3	71.6	72.4	74.5	76.5	77.7	76.3	70.0	63.2	55.5	43.6									
RLN CBTF=MODEL 3		2500	39.8	53.5	59.1	63.9	66.8	67.8	69.7	71.5	72.7	71.4	64.5	57.6	48.0	33.7									
TARE X30230		3150	27.8	46.0	52.3	58.5	60.6	62.7	64.2	65.6	66.8	64.2	56.4	48.7	38.5	20.3									
FAN TIP SPEED		4000	16.1	34.1	42.6	49.4	52.1	55.7	56.9	58.0	58.0	55.9	47.2	37.3	25.0	1.9									
FT/SEC		5000	7.5	26.3	35.7	42.9	46.3	48.6	51.3	51.5	52.4	48.7	39.9	29.6	15.7										
		6300		9.4	21.1	29.7	33.1	36.0	39.4	41.0	40.6	36.7	25.3	14.0											
		8000			0.4	10.9	16.0	19.6	22.9	25.7	24.3	20.4	6.1												
OVERALL CALCULATED		10000	72.1	76.1	79.3	81.5	83.6	85.0	86.8	89.0	90.7	90.6	89.8	90.6	89.7	83.5									
PNDB			73.6	81.9	86.3	89.8	92.1	93.5	95.5	97.7	99.3	98.3	94.0	91.0	87.2	79.9									

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	PHL
NO EGA	50	91.4	89.5	92.8	91.7	92.7	93.2	94.6	96.8	99.1	102.6	104.5	110.0	113.7	110.1	163.3
REG. NO. 0	80	93.6	93.6	93.8	91.8	92.7	93.9	95.7	98.0	99.7	101.7	104.7	110.9	113.3	111.1	163.6
RADIAL 320. FT.	100	94.0	94.4	93.6	93.8	95.0	94.8	96.7	99.6	101.5	105.0	107.0	109.0	110.0	111.2	162.9
(98. 5)	125	95.3	92.4	93.3	93.2	94.0	94.9	97.7	99.1	101.6	105.1	107.0	106.9	107.9	106.7	161.6
VEHICLE JENOTS	160	93.0	92.9	93.6	93.5	94.5	95.4	98.2	99.2	101.2	105.1	107.3	107.2	104.9	103.7	161.2
CCNFIG J5-050	200	91.1	93.2	93.2	93.2	94.6	96.0	98.0	100.0	101.1	104.3	106.3	105.0	102.9	101.7	160.2
LCC EVENDALE	250	92.6	92.6	92.3	94.2	95.5	96.6	97.8	99.8	101.7	103.9	105.7	105.5	102.9	101.0	160.1
DATE 05-18-75	315	91.8	92.8	93.0	93.0	93.9	95.7	97.0	99.7	102.1	103.6	104.0	104.5	102.9	100.0	159.5
RUN DBTF-MODEL 3	400	91.9	93.2	93.1	93.5	95.4	95.7	97.3	99.4	101.9	103.2	104.0	104.4	103.6	100.4	159.4
TAPE X30240	500	90.0	91.8	92.1	93.7	94.7	95.9	97.2	100.1	102.9	103.0	103.4	103.9	102.7	99.6	159.9
BAR 29.3 HG	630	90.1	91.6	92.2	94.0	94.9	96.4	98.2	100.6	104.2	103.4	103.3	104.2	102.1	99.0	159.9
(99111, N742)	800	88.7	92.0	92.7	95.1	96.9	97.9	98.9	101.4	104.8	102.7	102.3	103.2	101.3	96.8	159.9
TAMB 71. DEG F	1000	88.9	92.4	94.0	95.2	97.4	98.5	99.9	101.4	105.9	102.6	101.1	101.1	100.1	95.8	160.4
(295, DEG K)	1200	88.7	93.4	94.4	96.7	98.7	99.8	101.4	104.9	106.8	103.4	100.8	99.7	98.1	94.5	161.6
THET 55. DEG F	1600	88.0	93.8	94.6	96.6	99.0	100.0	102.3	104.9	106.6	103.7	100.3	98.0	96.2	93.1	161.6
(286, DEG K)	2000	86.4	92.4	93.9	95.7	98.1	99.7	101.0	103.5	104.5	102.4	99.6	97.2	94.7	91.5	160.3
HACT 0. GM/M3	2500	83.6	89.6	91.1	93.9	95.4	96.8	99.0	100.5	102.1	99.4	96.8	94.8	92.6	89.1	157.9
(. KG/M3)	3150	81.1	87.5	89.0	91.6	92.6	94.2	96.3	97.8	99.6	97.4	93.3	91.5	89.8	86.0	155.8
FREQ. SHIFT	4000	77.3	83.6	84.6	87.8	88.6	91.2	93.3	94.9	96.1	94.3	90.5	88.3	87.1	82.5	153.4
JET 9	5000	75.0	81.0	82.7	85.3	86.1	87.1	89.3	91.2	93.3	91.1	86.8	85.5	84.7	81.7	150.2
DIAMETER RATIO	6300	71.5	76.9	78.7	81.5	82.4	83.7	85.9	87.9	89.9	88.8	85.1	85.0	85.4	82.0	148.9
DF/LM 8.00	8000	69.6	72.3	73.7	78.2	80.0	80.2	82.7	85.3	87.2	89.6	84.7	86.6	87.1	83.0	149.6
	10000	68.9	67.7	69.3	75.8	79.3	78.9	81.5	82.7	84.8	92.3	86.1	89.1	88.9	86.1	153.1
OVERALL CALCULATED		104.3	105.4	106.0	106.9	108.6	109.7	111.4	113.9	116.0	116.1	117.0	118.7	120.2	118.4	174.0
PND8		111.1	114.9	116.0	117.8	119.5	120.8	122.5	124.8	126.5	125.6	124.1	123.5	123.1	120.9	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	180'	0'	0'	0'
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(0)	(0)	(0)
NO EGA	50	67.6	67.9	72.8	72.7	74.4	75.4	76.9	79.0	80.8	83.6	84.5	88.4	89.9	82.8				
SIDELINE 2400 FT?	63	89.6	71.9	73.7	72.8	74.5	76.0	78.0	80.1	81.4	82.7	84.6	89.2	89.4	83.6				
(731.52 M)	80	71.5	72.5	73.6	72.7	74.9	75.6	78.6	80.0	82.6	83.7	86.8	88.3	90.1	85.0				
NFA	125	69.8	72.6	73.4	74.7	76.6	76.8	78.9	81.7	83.2	85.9	86.7	87.2	85.8	83.4				
C. RPM	125	71.0	70.4	72.9	74.0	75.6	76.9	79.8	81.1	83.2	85.9	86.6	85.0	83.5	78.7				
(0. RAD/SEC)	180	68.4	70.8	73.1	74.2	75.9	77.3	80.2	81.1	82.6	85.8	86.9	85.1	80.4	75.3				
NFK	200	66.2	70.9	72.5	73.8	75.9	77.8	79.9	81.8	82.4	84.8	85.7	82.6	78.1	73.0				
(0. RAD/SEC)	250	67.5	70.0	71.5	74.5	76.6	78.2	79.5	81.5	82.9	84.3	84.9	83.0	77.7	71.8				
NFD	315	66.3	69.9	71.9	73.1	74.8	77.1	78.5	81.1	83.0	83.7	82.9	81.6	77.4	70.2				
(0. RAD/SEC)	400	63.8	69.9	71.6	73.4	76.1	76.8	78.6	80.6	82.5	83.0	82.5	81.1	77.5	69.8				
AIRFLOW RATIO	500	63.3	68.0	70.2	73.1	75.1	76.8	78.2	80.9	83.2	82.5	81.6	80.1	75.9	67.9				
kF/kM 8.00	630	62.5	67.2	69.8	73.0	74.8	76.9	78.8	81.1	84.1	82.4	80.9	79.8	74.5	66.0				
	800	63.0	66.7	69.6	73.5	76.2	77.8	78.9	81.2	84.1	81.0	79.2	77.8	72.6	62.2				
VEHICLE JENCT	1000	58.8	66.1	70.0	72.8	76.1	77.8	79.3	82.6	84.6	80.2	77.1	74.8	69.9	59.1				
CCNFIG JE-600	1250	56.9	65.7	69.4	73.4	76.5	78.3	80.1	83.2	84.7	80.1	75.8	72.0	66.3	55.3				
LCC EVENDALE	1600	53.8	64.3	68.1	72.0	75.6	77.3	79.8	82.2	83.2	79.1	73.8	68.5	62.0	50.3				
DATE 05-08-75	2000	49.2	60.7	65.6	69.5	73.3	75.6	77.2	79.5	79.7	76.3	71.3	65.5	57.5	44.4				
RUN DBTF-MODEL 3	2500	42.3	54.7	60.1	65.4	68.5	70.8	73.2	74.5	75.2	70.9	65.8	59.9	51.3	35.7				
TAPE X30250	3150	33.0	47.5	53.8	59.5	62.4	64.9	67.4	68.6	69.3	65.2	58.1	51.4	41.8	22.5				
FAN TIP SPEED	4000	39.1	35.9	43.1	50.1	53.3	57.2	59.7	61.0	60.8	56.6	48.9	40.6	29.0	3.9				
FT/SEC	5000	31.0	28.8	37.5	44.4	47.8	50.3	53.0	54.5	55.1	50.2	41.6	33.3	20.7					
	6300		11.6	22.6	31.2	35.6	38.8	41.7	43.0	43.1	38.5	29.0	19.7	4.2					
	8000			1.1	13.4	20.0	22.9	26.2	27.9	27.3	24.9	12.1	1.2						
	10000					1.0	4.2	7.9	7.9	6.5	7.5								
OVERALL CALCULATED		79.2	81.8	84.0	85.6	87.9	89.4	91.4	93.6	95.4	95.6	96.0	96.4	95.9	90.5				
PND8		80.4	85.7	89.1	92.3	95.4	97.2	99.3	101.6	102.9	100.8	99.2	97.4	94.9	88.4				

PROC. DATE : MONTH 86 DAY 0 HR. 0.8
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM., DAY = JENOTS)

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHLI
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	180°	190°	
NO EGA	50	77.9	75.7	79.1	78.7	80.4	79.7	81.3	82.8	84.1	85.8	83.8	90.5	93.7	92.9			144.6
REG. NO. 0.	63	76.6	77.8	79.6	77.8	79.0	79.4	82.5	82.7	84.4	85.4	86.7	92.6	93.3	93.6			145.5
RADIAL 320, FT.	80	77.6	79.4	80.4	78.7	80.2	80.0	83.1	84.1	85.4	85.4	86.9	90.8	92.1	93.0			145.1
(98.4)	100	78.7	80.9	79.6	80.8	81.3	81.0	82.2	84.1	85.8	88.3	89.7	91.0	91.2	91.7			145.3
VEHICLE JENOTS	125	78.8	78.6	80.3	80.7	82.5	82.9	83.7	84.6	85.6	87.6	88.2	89.9	90.1	87.4			144.7
CCNFIG J=160	160	79.0	79.4	80.9	80.3	81.7	81.7	83.9	84.4	85.2	86.6	88.6	90.2	88.4	84.9			144.3
LCC EVENDALE	200	78.3	80.3	81.2	81.2	81.8	82.7	84.0	84.5	85.1	86.7	88.1	88.5	86.6	83.5			143.9
DATE 05-08-75	250	82.3	80.3	80.3	82.4	83.5	83.1	84.0	84.3	85.0	86.4	86.9	88.0	84.8	81.8			143.7
FLN CBTF-MODEL 3	315	79.3	80.5	81.7	80.5	82.3	82.7	83.2	84.7	85.3	86.1	86.2	86.9	83.4	80.5			143.2
TAPE X30320	400	77.3	81.4	81.0	82.0	82.1	81.9	82.8	84.1	84.6	86.6	86.4	85.9	82.8	80.1			143.0
BAR 29.4 HG	500	76.2	79.7	80.8	81.5	81.9	82.1	83.1	84.0	85.1	87.2	86.8	84.3	81.6	79.0			143.0
(99347, A/M2)	630	76.0	80.0	81.1	81.6	82.1	82.9	83.6	85.0	86.6	89.3	88.5	85.1	81.3	79.9			144.2
TAMB 69, DEG F	800	76.1	81.6	82.3	82.9	83.2	83.8	84.2	86.0	87.6	90.3	90.2	85.3	82.4	80.4			145.4
(294, DEG K)	1000	76.2	81.7	83.0	83.0	84.2	84.3	84.7	86.9	88.2	91.1	90.6	85.4	83.1	81.3			146.1
TMET 56, DEG F	1250	75.6	81.6	83.4	83.9	84.6	84.5	84.6	86.4	88.5	90.8	90.3	85.1	82.6	81.7			146.1
(266, DEG K)	1600	74.1	81.9	83.5	84.0	84.4	84.1	84.4	86.0	87.7	90.0	89.2	84.1	82.1	81.0			145.7
HACT 0, GM/M3	2000	72.7	81.5	83.0	83.1	83.5	82.5	83.4	85.1	86.4	88.0	86.9	82.7	81.7	80.1			144.5
(1, KG/M3)	2500	71.6	81.7	82.4	82.4	81.9	80.6	81.5	83.0	84.9	86.2	84.3	80.8	80.6	79.4			143.2
FREQ. SHIFT	3150	69.1	80.3	81.1	81.0	79.5	78.7	79.4	80.9	82.9	84.2	81.6	78.8	78.9	78.3			141.7
JET 9	4000	65.9	77.2	78.0	77.2	76.0	76.0	76.8	78.3	79.7	80.9	79.0	76.4	77.2	75.6			139.4
DIAMETER RATIO	5000	62.7	74.1	74.9	75.2	73.5	72.0	73.7	75.4	77.0	77.5	74.5	72.9	73.9	73.1			136.7
DF/LH 8.00	6300	59.8	69.3	70.8	71.0	69.7	68.8	71.0	73.2	73.2	74.2	71.9	70.3	70.7	69.5			134.7
OVERALL CALCULATED	8000	59.3	65.3	67.2	66.9	65.4	65.2	67.2	70.7	71.0	74.1	68.7	68.9	69.6	67.6			134.2
PND8	10000	53.4	60.5	61.8	61.8	62.5	61.4	62.9	69.9	67.3	74.5	67.3	69.8	69.8	66.8			135.6
		59.9	73.4	74.5	74.6	75.3	75.2	76.2	92.5	98.8	100.8	100.7	100.8	100.7	100.1			137.3
		77.7	104.9	105.8	105.9	105.9	105.3	106.2	107.8	109.3	111.0	110.0	107.7	106.9	105.5			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
REV. ALPHA 12/73		FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
			(5.52)	(6.70)	(8.87)	(11.09)	(13.22)	(15.40)	(17.57)	(19.75)	(21.92)	(24.09)	(26.27)	(28.44)	(30.62)	(32.79)	(0)	(0)	(0)
NO EGA		50	54.1	54.1	59.0	59.7	62.2	61.9	63.7	65.0	65.8	66.9	63.7	68.9	69.9	65.6			
SIDELINE 2400 FT		80	52.6	56.2	59.5	58.8	60.7	61.5	64.8	64.9	66.2	66.5	66.6	71.0	69.4	66.1			
(731.52 M)		130	53.5	57.7	60.3	59.7	61.9	62.1	65.4	66.2	67.1	66.4	66.8	69.1	68.1	65.5			
NFA		125	54.5	56.7	59.9	61.5	64.1	64.9	65.8	66.6	67.2	67.4	68.4	67.9	65.8	59.4			
(0. RAD/SEC)		160	54.4	57.3	60.4	61.0	63.2	63.6	65.9	66.3	66.6	67.3	68.1	68.1	63.9	56.6			
NFK		200	53.5	58.4	60.5	61.8	63.1	64.5	65.9	66.2	66.4	67.3	67.5	66.1	61.8	54.7			
(0. RAD/SEC)		250	55.2	57.8	59.4	62.8	64.6	64.7	65.8	65.9	66.1	66.7	66.1	65.4	59.7	52.5			
NFD		315	53.7	57.7	60.6	60.6	63.3	64.1	64.7	66.1	66.2	66.2	65.1	64.0	57.8	50.6			
(0. RAD/SEC)		400	51.2	57.1	59.6	61.8	62.8	63.0	64.1	65.3	65.2	66.5	65.0	62.6	56.7	49.5			
AIRFLOW RATIO		500	49.4	55.9	58.9	60.8	62.3	62.9	64.1	64.8	65.4	66.7	65.0	60.5	54.8	47.4			
WF/W 8.00		630	48.4	55.6	58.7	60.6	62.0	63.3	64.2	65.5	66.5	68.3	66.1	60.7	53.7	46.9			
		800	47.3	56.3	59.2	61.3	62.6	63.7	64.3	65.8	67.0	68.6	67.1	59.9	53.7	45.8			
VEHICLE - JENOTS		1000	46.1	55.4	59.0	60.6	62.9	63.5	64.1	66.1	66.9	68.7	66.7	59.1	53.0	44.7			
CONFIG JS-660		1250	43.8	53.9	58.3	60.6	62.4	63.0	63.3	64.9	66.4	67.5	65.3	57.5	50.8	42.5			
LCC EVENDALE		1600	39.9	52.4	57.0	59.4	61.0	61.4	61.9	63.3	64.3	65.4	62.7	54.7	47.9	38.2			
DATE 05-08-75		2000	35.6	49.8	54.6	56.9	58.7	58.4	59.5	61.0	61.6	61.8	58.6	51.0	44.6	32.9			
RLN DSTF-MODEL 3		2500	30.3	46.8	51.4	54.0	55.0	54.6	55.7	57.0	58.0	57.7	53.3	45.9	39.3	26.0			
TARE X30320		3150	21.1	40.3	45.9	48.8	49.2	49.5	50.5	51.6	52.6	52.0	46.4	38.8	30.8	14.9			
FAN TIP SPEED		4000	7.7	29.9	36.4	39.5	40.7	42.0	43.3	44.3	44.4	43.2	37.5	28.7	19.1				
FT/SEC		5000		21.9	29.6	34.3	35.3	35.3	37.4	38.6	38.8	36.6	29.3	20.7	9.9				
		6300		3.0	14.7	20.7	22.9	23.9	26.8	28.3	26.4	24.6	15.8	5.0					
		8000				2.1	5.5	7.8	10.6	13.4	11.0	9.4							
OVERALL CALCULATED		10000	64.3	68.8	71.6	73.1	74.9	75.5	76.8	77.8	78.5	79.6	78.6	78.2	76.1	72.0			
PNDB			65.8	73.9	77.5	79.7	81.3	81.8	82.8	84.1	84.8	85.7	83.5	79.2	74.0	67.4			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
		37	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200		
SPL INPUT AT STD		37	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200		
REV. ALPHA 12/73		37	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200		
NO EGA		82.2	81.5	84.6	83.2	85.4	86.6	88.2	90.0	91.4	92.6	94.7	97.5	100.5	98.1	99.6	99.8	98.1	97.0		
REG. NO. 0		82.1	83.6	85.6	84.0	85.5	86.6	88.2	90.0	91.4	92.4	94.7	99.6	99.8	98.1	97.0	97.2	97.2	96.1		
RADIAL 320. FT.		83.1	83.2	86.2	84.2	86.2	86.0	89.1	90.6	92.8	92.7	95.4	98.6	99.6	99.6	99.6	99.6	99.6	99.6		
(98. N)		83.7	86.7	86.4	86.8	87.5	87.0	88.9	91.9	92.8	92.8	95.4	98.6	99.6	99.6	99.6	99.6	99.6	99.6		
VEHICLE JENOTS		85.3	85.1	87.3	86.9	87.8	88.7	89.9	91.6	93.4	95.8	97.0	97.2	96.1	93.7	91.7	91.7	91.7	91.7		
CCNFIG JETC60		84.7	85.7	86.9	87.0	88.0	88.2	90.4	91.4	93.2	95.6	98.1	98.2	94.7	91.7	91.7	91.7	91.7	91.7		
LCC EVENTALE		84.6	87.0	87.2	87.3	88.3	89.3	90.8	92.0	93.8	95.5	96.9	96.8	93.9	91.1	91.1	91.1	91.1	91.1		
DATE 25-08-75		86.4	86.4	86.8	88.9	89.7	89.9	90.6	92.4	93.8	94.5	97.2	96.8	93.0	90.8	90.8	90.8	90.8	90.8		
RLN CBTJ-CJEL 3		85.6	87.8	87.8	87.5	88.9	89.0	90.7	92.5	94.6	96.9	98.2	98.2	93.4	91.0	91.0	91.0	91.0	91.0		
TAPE X33340		84.9	88.0	88.6	89.5	90.2	90.2	91.3	93.2	94.4	97.7	96.0	95.2	93.4	91.0	91.0	91.0	91.0	91.0		
BAR 29.4 HG		84.1	87.8	88.6	89.4	90.3	90.7	92.0	94.1	96.2	98.0	95.4	95.2	92.7	90.6	90.6	90.6	90.6	90.6		
(199347, N/42)		84.1	87.9	89.8	90.5	90.9	91.7	92.4	94.9	98.2	100.1	96.4	95.3	92.6	91.0	91.0	91.0	91.0	91.0		
TAMB 70. DEG F		84.3	88.1	90.5	91.6	92.7	93.0	94.2	96.4	98.6	100.7	96.4	95.2	93.1	91.9	91.9	91.9	91.9	91.9		
(294, DEG K)		85.2	91.3	92.0	93.0	93.5	94.6	95.2	96.1	97.4	99.5	101.9	103.4	98.2	95.3	93.2	92.3	92.3	92.3		
TKET 54, DEG F		85.8	92.9	93.5	94.5	95.0	95.7	96.3	96.1	97.4	99.5	101.9	103.5	99.2	96.1	93.8	92.5	92.5	92.5		
(285, DEG K)		86.6	92.9	95.0	95.7	96.3	96.1	97.4	99.5	101.9	103.5	99.2	96.1	93.8	92.5	92.5	92.5	92.5	92.5		
HACT 0, GM/M3		86.0	91.5	93.8	94.8	96.2	95.8	96.1	98.6	100.4	102.6	98.0	94.8	92.8	90.6	90.6	90.6	90.6	90.6		
4, KG/M3)		84.4	90.5	92.7	94.0	95.2	94.5	94.6	95.9	98.2	98.7	95.4	92.4	89.9	89.0	87.9	85.9	85.9	85.9		
FFREQ. SHIFT		82.2	88.6	91.4	93.5	93.7	94.5	94.1	94.2	95.2	96.5	91.7	89.3	87.9	85.9	84.2	82.3	82.3	82.3		
JET 9		78.3	84.7	87.5	89.4	90.2	92.0	92.6	92.5	91.7	93.4	89.0	85.9	84.2	82.3	80.0	77.2	77.2	77.2		
DIAMETER RATIO		75.3	81.3	84.0	86.1	86.4	87.4	88.9	89.5	90.1	90.7	85.9	82.6	81.5	80.0	79.1	77.2	77.2	77.2		
DF/DM 6.00		72.4	77.6	80.4	82.7	82.6	83.4	84.9	84.1	83.4	83.4	83.0	80.7	79.4	78.4	77.2	75.4	75.4	75.4		
		69.6	73.5	76.7	78.9	78.9	79.4	82.4	81.1	81.1	80.0	85.8	77.6	79.8	77.8	76.3	74.3	74.3	74.3		
		66.6	69.2	71.0	73.8	73.5	75.6	80.7	81.1	80.0	85.8	77.6	79.8	77.8	76.3	74.3	74.3	74.3	74.3		
OVERALL CALCULATED		97.6	101.5	103.3	104.2	105.0	105.3	106.1	108.1	110.3	112.0	109.4	109.3	108.4	106.4	106.4	106.4	106.4	106.4		
PNDB		108.4	113.3	115.3	116.7	117.4	117.8	118.3	119.9	121.5	123.4	129.8	118.0	116.2	114.3	114.3	114.3	114.3	114.3		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
SPL INPUT AT STD		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
REV. ALPHA 12/73		FREQ.																
NO EGA		50	58.3	58.9	64.5	64.2	67.2	67.2	69.2	71.0	71.8	73.6	71.7	75.9	76.6	70.8		
SIDELINE 2400. FT.		33	58.1	61.9	65.5	65.0	67.2	68.8	70.5	72.1	73.2	73.5	74.6	78.0	75.9	70.6		
(731.52 M)		80	59.0	63.5	66.1	65.2	67.9	68.1	71.4	72.7	73.9	73.7	75.3	76.8	75.6	69.5		
NFA 0. RPM		100	59.5	64.8	66.2	67.6	69.1	69.1	71.1	73.9	74.4	76.9	76.7	76.4	73.5	69.4		
(0. RAD/SEC)		125	61.0	63.2	66.9	67.7	69.3	70.7	72.0	73.6	74.9	76.7	76.6	75.2	71.8	65.7		
NFK 0. RPM		160	60.2	63.6	66.4	67.7	69.4	70.1	72.4	73.3	74.6	76.3	77.6	76.1	70.1	63.3		
(0. RAD/SEC)		200	59.8	64.7	66.5	67.8	69.6	71.0	72.7	73.8	74.9	76.1	76.2	74.2	69.3	62.0		
NFD 0. RPM		250	61.2	64.0	66.0	69.3	70.9	71.5	72.3	74.0	74.9	76.8	76.4	74.2	68.7	61.8		
(0. RAD/SEC)		315	60.0	64.7	66.7	67.6	69.8	71.4	72.3	73.9	75.5	77.0	74.7	73.1	87.4	60.9		
AIRFLOW RATIO		400	58.8	64.7	67.2	69.4	70.8	71.3	72.6	74.3	75.0	77.5	74.6	72.9	87.3	60.3		
WF/WM 8.00		500	57.3	64.0	66.8	68.9	70.6	71.5	73.0	74.9	76.5	77.5	73.6	71.4	65.9	59.0		
		630	56.5	63.5	67.4	69.5	70.8	72.2	73.0	75.3	78.1	79.1	74.0	70.8	65.0	58.0		
		800	55.5	62.8	67.4	70.0	72.0	72.9	74.2	76.3	77.9	79.1	72.8	69.9	64.3	56.0		
VEHICLE JENOTS		1000	55.1	63.9	68.1	70.6	72.2	73.8	74.7	77.4	79.4	79.5	72.9	68.1	63.0	55.2		
CCNFIC JE-060		1250	55.0	64.3	68.5	71.3	72.8	74.1	74.7	77.5	80.2	80.2	73.2	67.6	62.4	53.1		
LCC EVERDALE		1600	52.3	63.4	68.4	71.1	72.9	73.4	74.9	76.8	78.5	78.9	72.6	66.6	59.6	49.6		
DATE 05-08-75		2000	48.8	59.8	65.4	68.6	71.4	71.7	72.3	74.6	75.6	76.4	69.6	63.1	55.6	43.5		
RUN DBTF-MODEL 3		2500	43.1	55.6	61.7	65.5	68.3	68.4	68.8	69.8	71.3	70.2	64.4	57.5	48.6	35.5		
TAPE X30340		3150	34.1	48.6	56.2	61.3	63.5	65.3	65.3	64.9	64.9	64.3	56.5	49.3	39.9	22.4		
FAN TIP SPEED		4070	20.2	36.9	45.9	51.7	54.9	58.0	59.0	58.5	56.4	55.7	47.5	38.2	26.1	3.8		
FT/SEC		5000	11.3	29.1	38.8	45.2	48.2	50.7	52.6	52.8	51.9	49.8	40.7	30.4	17.5			
		6300		12.3	24.4	32.4	35.8	38.5	40.6	41.2	39.8	37.7	27.0	15.4				
		8000			4.1	14.1	19.0	22.1	25.9	26.1	23.5	21.1	6.8					
		10000						0.9	7.1	6.4	1.7	0.2						
OVERALL CALCULATED			70.6	75.9	79.2	81.2	83.1	84.0	85.3	87.2	88.8	89.8	87.1	86.2	83.2	77.4		
PNDS			74.0	82.6	87.2	89.9	92.1	92.9	94.1	95.8	97.3	97.8	93.0	89.2	83.7	75.8		

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHLI
		30	45	50	60	70	80	90	100	110	120	130	140	150	160	0	0	
NO EGA	50	81.7	79.5	83.3	82.4	84.2	84.0	85.6	87.8	89.8	92.6	91.3	97.5	101.2	99.4			151.6
RDG. NO. 0	63	81.1	82.1	83.6	82.5	84.2	84.9	87.0	88.5	90.2	91.7	93.2	98.4	99.6	97.3			151.2
RADIAL 320 FT.	80	81.6	84.0	84.7	83.0	85.0	84.8	87.9	88.9	90.7	91.7	94.0	97.6	98.9	97.1			151.0
VEHICLE JENOTS	100	82.7	84.8	84.1	85.3	86.0	85.3	87.4	90.1	91.3	94.0	96.2	97.0	96.2	96.7			151.1
CONFIG JENOTS	125	84.1	83.4	85.3	84.9	86.0	86.9	88.4	90.1	91.1	93.6	94.7	95.9	94.6	91.9			150.2
LOC EVENDALE	160	83.5	84.7	85.6	85.3	86.2	86.9	88.7	89.9	90.7	93.1	95.3	96.7	93.7	89.9			150.2
DAY 05-08-75	200	83.1	85.0	85.4	85.8	86.5	88.0	89.3	90.5	90.9	93.0	95.1	95.2	92.1	88.5			150.0
RLA DBTF MODEL 3	250	85.6	85.6	85.3	86.9	87.7	88.1	89.1	90.4	91.0	92.9	94.7	94.5	91.4	88.6			149.9
TAPE X30360	315	84.3	86.6	86.8	86.3	87.6	88.2	88.7	90.7	92.1	93.1	93.8	93.7	90.7	88.5			149.7
BAR 29.4 HG	400	84.1	87.5	87.8	88.3	88.9	88.4	89.6	91.2	91.9	93.9	93.5	93.7	90.6	88.7			150.1
99246, N/M2	500	83.1	86.6	87.6	87.9	88.8	89.5	89.8	91.3	92.4	94.5	92.9	92.4	90.4	87.6			150.2
TAMB 72 DEG F	630	82.9	86.7	88.3	88.5	88.7	89.5	90.4	92.2	93.7	96.4	93.6	92.0	89.7	88.2			151.0
(295, DEG K)	800	84.3	88.1	89.0	89.6	90.2	90.7	91.2	93.4	95.3	97.5	93.9	92.0	90.4	88.9			152.1
TKET 55, DEG F	1000	85.5	90.5	90.5	91.2	92.0	91.6	92.2	94.7	96.5	98.9	94.7	92.0	90.9	90.9			153.4
(286, DEG K)	1250	87.8	92.5	92.7	93.8	93.8	93.4	93.5	95.3	97.7	98.9	95.9	92.5	92.0	92.6			154.6
HACT 0, GM/M3	1600	88.6	94.1	95.2	95.8	95.1	94.1	94.1	95.5	96.7	98.8	95.7	92.1	92.3	92.8			155.2
41 KG/M3	2000	88.7	93.8	95.0	94.6	96.0	95.0	94.6	94.9	95.2	96.6	94.5	90.8	90.3	89.9			154.7
FREQ. SHIFT	2500	87.7	92.5	94.2	95.0	96.0	95.0	94.3	94.4	94.0	93.7	91.9	88.9	88.4	88.0			154.1
JET 9	3150	85.0	96.4	91.9	94.0	94.5	95.0	94.9	93.7	93.0	91.5	88.7	86.9	86.7	85.7			153.6
DIAMETER RATIO	4000	80.6	86.2	87.7	88.9	89.8	91.8	93.1	92.6	90.7	89.4	87.1	84.4	84.2	82.1			151.3
CF/DH 8.00	5000	77.1	82.8	85.3	85.9	85.9	86.0	88.2	89.1	88.9	87.0	84.2	82.3	81.8	79.8			148.8
OVERALL CALCULATED	6300	73.7	78.2	81.2	82.0	81.9	83.0	83.7	84.9	84.9	84.3	81.8	80.3	79.6	77.2			145.9
PND8	8000	68.6	74.8	77.0	78.4	78.0	78.7	80.2	81.3	81.5	82.6	78.7	78.2	79.1	75.9			145.0
	10000	63.6	70.2	72.8	73.6	73.8	74.7	75.7	76.9	78.3	83.6	76.4	77.6	78.9	76.8			145.0
		98.0	102.1	103.1	103.6	104.3	104.1	104.5	105.6	106.6	108.2	107.0	107.5	107.4	105.9			165.4
		130.0	114.4	115.8	116.5	117.2	117.3	117.7	117.8	118.0	118.9	117.1	115.3	114.9	113.6			

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STD REV, ALPHA 12/73		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
		30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	0'	0'	0'	0'
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	(0)
NO EGA		50	57.8	57.9	63.3	63.5	65.9	66.2	67.9	70.0	71.6	73.6	71.2	75.9	77.4	72.1			
SIDELINE 2400' FT		80	57.1	60.4	63.5	63.5	66.0	67.0	69.3	70.6	71.9	72.7	73.1	76.7	75.6	69.9			
(731.52 M)		150	58.5	63.1	63.9	66.2	67.6	67.3	69.6	72.2	72.9	74.9	76.0	75.2	72.0	68.9			
NFA 0. RPM		125	59.7	61.4	64.9	65.7	67.6	68.9	70.5	72.1	72.7	74.4	74.4	74.0	70.3	63.9			
(0. RAD/SEC)		180	58.9	62.6	65.1	66.0	67.7	68.8	70.7	71.8	72.1	73.8	74.9	74.6	69.1	61.6			
NFK 0. RPM		200	58.3	63.7	64.8	66.3	68.1	69.8	71.2	72.3	72.2	73.6	74.5	72.9	67.3	59.7			
(0. RAD/SEC)		250	60.5	63.0	64.5	67.3	68.9	69.7	70.8	72.0	72.2	73.3	73.9	72.0	66.2	59.3			
NFD 0. RPM		315	58.8	63.7	65.7	66.4	68.6	69.6	70.3	72.1	73.0	73.3	72.7	70.8	65.1	58.7			
(0. RAD/SEC)		400	58.6	64.2	66.4	68.1	69.6	69.6	70.9	72.4	72.8	73.8	72.1	70.4	64.5	58.0			
AIRFLOW RATIO		500	56.3	63.0	65.8	67.4	69.1	70.3	70.7	72.2	72.8	74.0	71.1	68.6	63.7	56.0			
WF/WB 8.00		636	55.3	62.2	65.9	67.5	68.6	69.9	71.0	72.6	73.3	75.4	71.2	67.6	62.0	55.3			
		800	55.5	62.8	65.9	68.0	69.5	70.6	71.2	73.3	74.7	75.8	70.8	66.6	61.6	54.2			
VEHICLE JENOTS		1000	55.4	64.2	66.6	68.7	70.7	70.8	71.7	73.9	75.2	76.5	70.7	65.6	60.8	54.2			
CONFIG JE-060		1250	56.0	64.8	67.7	70.3	71.6	71.9	72.2	73.8	75.3	75.7	70.9	64.9	60.2	53.4			
LCC EVENDALE		1600	54.4	64.6	68.7	71.1	71.7	71.4	71.7	72.8	73.3	74.2	69.1	62.6	58.1	50.0			
DATE 05-08-75		2000	51.6	62.1	66.7	68.4	71.2	71.0	70.8	70.8	70.4	70.4	66.1	59.1	53.2	42.7			
RUN CBTF-MODEL 3		2500	46.4	57.6	63.2	63.5	69.1	68.9	68.3	68.3	67.1	65.2	60.9	54.0	47.1	34.6			
TAPE X30360		3150	36.9	50.4	56.7	61.9	64.3	65.8	66.0	64.5	62.7	59.3	53.5	46.8	38.7	22.2			
FAN TIP SPEED		4000	22.5	38.9	46.2	51.3	54.5	57.8	59.6	58.6	55.4	51.7	45.5	36.7	26.1	3.6			
FT/SEC		5000	13.1	30.6	40.1	45.0	47.7	49.2	51.9	52.3	50.7	46.1	39.0	30.2	17.8				
		6360		13.9	25.2	31.7	35.1	38.1	39.4	40.0	38.1	34.0	25.8	15.0					
		8000			4.4	13.7	18.0	21.4	23.7	23.9	21.5	17.9	6.1						
		10000							2.1	2.2	0.0								
OVERALL CALCULATED			69.8	75.4	78.2	80.1	81.8	82.3	83.3	84.7	85.5	86.6	85.0	84.7	82.6	77.1			
PNDB			74.5	83.1	87.0	89.4	91.4	91.8	92.3	92.9	93.2	93.7	90.2	86.8	81.6	74.6			

		ANGLES FROM INLET (IN DEGREES, (AND RADIANS))																PWL			
SFL INPUT AT STD		33'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	170'	180'	(0, 0, 0, 0)			
REV. ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0, 0, 0, 0)			
NO EGA		50	82.2	81.0	84.3	83.7	85.4	85.3	87.1	89.1	91.1	93.8	93.0	98.5	102.0	99.6					
RADIAL 320. FT.		43	82.1	83.8	85.3	83.8	85.2	86.4	88.5	90.0	91.7	92.9	94.7	100.1	100.6	98.1					
{ 98. 4 }		93	83.3	84.7	86.0	84.0	86.0	85.8	88.6	89.9	92.4	93.5	96.2	99.1	99.9	98.3					
VEHICLE JENOTS		125	84.8	84.1	86.0	85.4	87.0	87.9	89.4	91.1	93.1	95.8	97.0	96.7	95.1	91.9					
CCF IG JE-60		160	84.2	84.7	86.4	86.5	87.0	87.9	90.2	91.4	93.2	95.4	97.1	97.7	93.2	90.2					
LCC EVENDALB		250	83.8	86.2	85.7	86.5	87.8	88.8	90.5	91.8	93.1	95.3	95.9	95.5	92.6	88.5					
DATE 05-08-75		315	85.4	85.4	85.6	88.2	89.0	89.4	90.8	92.4	93.8	95.7	95.4	95.3	91.9	88.8					
RUN DBTF-MODEL 3		400	84.1	86.3	87.0	86.3	86.6	90.0	91.0	92.7	94.6	95.9	94.5	94.7	91.2	88.5					
TAPE X30370		500	83.6	86.5	87.8	88.3	89.7	89.9	91.3	93.2	95.1	97.2	94.7	94.5	91.6	88.2					
BAR 29.4 HG		630	82.1	85.8	87.4	88.7	89.3	91.2	92.0	94.3	96.7	97.8	94.4	92.9	90.7	87.6					
(99246, 1742)		800	82.9	86.7	88.0	89.5	90.4	92.2	93.7	96.2	99.5	99.1	94.6	93.5	90.4	88.5					
TAMB 71. DFG F		1000	83.3	87.6	89.5	91.4	92.9	94.5	95.4	98.7	101.3	100.7	94.9	93.7	91.1	88.6					
(295, DEG K)		1250	85.2	89.8	91.3	93.5	95.0	96.3	98.2	101.4	103.5	102.1	96.4	94.0	91.6	89.1					
TWET 55. DEG F		1600	86.0	91.5	93.3	95.6	97.0	98.4	99.8	103.3	105.9	103.4	98.2	94.5	92.0	90.3					
(286, DEG K)		2000	86.3	91.9	93.2	95.4	96.8	98.3	100.9	103.5	105.7	104.3	99.2	95.4	93.1	90.7					
HACT 0. GM/M3		2500	84.2	91.0	93.3	94.8	96.5	97.3	99.4	101.6	103.2	102.6	98.2	94.5	92.0	89.9					
{ KG/M3 }		3150	82.0	89.3	91.2	92.5	93.8	94.7	97.1	99.1	101.0	99.7	95.6	92.1	89.7	87.2					
FREQ. SHIFT		4000	78.2	86.2	88.4	89.3	90.8	92.3	94.4	96.2	98.0	97.0	92.0	88.6	86.5	83.2					
JET 9		5000	74.9	81.9	83.7	85.9	87.0	89.3	91.6	93.3	94.3	93.9	89.3	85.2	82.7	79.4					
DIAMETER RATIO		6300	72.1	79.3	80.8	82.9	83.9	84.7	87.4	89.8	91.9	90.0	85.4	81.3	79.3	76.8					
DF/CM 8.00		6000	87.7	74.9	76.9	78.7	79.2	81.0	83.3	86.4	87.9	87.1	81.6	79.3	77.4	74.7					
		10000	63.9	70.6	72.5	74.4	75.2	76.5	79.5	83.9	85.2	85.1	78.5	78.4	76.9	74.9					
OVERALL CALCULATED			61.4	66.7	68.3	69.6	71.6	72.9	76.0	81.7	82.1	84.6	77.1	79.6	77.6	76.3					
PNDB			96.7	100.6	102.1	103.8	105.0	106.2	108.1	110.7	112.8	112.1	109.0	108.9	108.2	106.8					
			106.5	112.0	113.8	115.2	116.6	117.7	119.7	122.0	124.0	123.4	119.6	117.4	115.2	112.8					

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT STD REV, ALPHA 12/73		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
FREQ.		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
NO EGA	50	58.3	59.4	64.3	64.7	67.2	67.7	69.4	71.3	72.8	74.9	73.0	76.9	78.1	72.3			
SIDELINE 2403 FT	63	58.1	62.2	65.2	64.8	67.0	68.5	70.8	72.1	73.4	74.0	74.6	78.5	76.6	70.6			
(731.52 M)	80	59.3	63.0	65.8	64.9	67.7	67.9	70.9	72.0	74.1	74.4	76.1	77.3	75.9	70.7			
NFA 0. RPM	100	59.3	64.1	65.4	66.7	68.9	69.1	70.9	73.7	74.9	76.9	77.2	76.7	73.3	68.9			
(0. RAD/SEC)	125	60.5	62.2	65.7	66.2	68.6	69.9	71.5	73.1	74.7	76.7	76.6	74.7	70.8	63.9			
NFK 0. RPM	160	59.7	62.6	65.9	67.2	68.4	69.8	72.2	73.3	74.6	76.1	76.6	75.6	68.6	61.8			
(0. RAD/SEC)	200	58.8	63.9	65.0	67.0	69.1	70.5	72.4	73.5	74.4	75.8	75.2	73.2	67.8	59.7			
NFD 0. RPM	250	60.2	62.8	64.7	68.6	70.2	71.0	72.6	74.0	74.9	76.0	74.6	72.7	66.7	59.6			
(0. RAD/SEC)	315	58.5	63.5	65.9	66.9	69.6	71.4	72.5	74.1	75.5	76.0	73.4	71.8	65.6	58.7			
AIRFLOW RATIO	400	57.5	63.2	66.4	68.1	70.3	71.1	72.6	74.4	75.8	77.0	73.3	71.1	65.5	57.5			
WF/W 8.00	500	55.3	62.0	65.5	68.2	69.6	72.0	73.0	75.2	77.0	77.3	72.6	69.1	63.9	56.0			
	630	55.3	62.2	65.6	68.5	70.4	72.7	74.3	76.6	79.4	78.2	72.2	69.1	62.8	55.5			
	800	54.5	62.3	66.4	69.8	72.3	74.4	75.5	78.5	80.7	79.1	71.8	68.4	62.3	54.0			
VEHICLE JENOTS	1000	55.1	63.4	67.3	71.1	73.7	75.6	77.7	80.7	82.2	79.8	72.5	67.6	61.5	52.5			
CONFIG JE-J60	1250	54.2	63.8	68.5	72.3	74.8	76.9	78.4	81.8	83.8	80.2	73.2	66.9	60.2	51.1			
LCC EVENDALE	1600	52.1	62.4	66.7	70.8	73.5	75.6	78.4	80.8	82.3	79.7	72.6	65.9	58.9	47.9			
DATE 05-08-75	2000	47.1	59.3	64.9	68.7	71.7	73.2	75.6	77.6	78.4	76.4	69.9	62.8	54.9	42.7			
RUN CGTF-MODEL 3	2500	40.6	54.4	60.2	64.0	66.9	68.7	71.3	73.1	74.1	71.2	64.7	57.2	48.4	33.8			
TAPE X30370	3150	30.2	46.1	53.2	57.1	60.5	63.1	65.5	67.0	67.7	64.8	56.7	48.6	38.4	19.7			
FAN TIP SPEED	4000	16.8	34.2	42.2	48.3	51.7	55.3	58.1	59.3	59.2	56.2	47.8	37.5	24.6	0.8			
FT/SEC	5000	8.1	27.1	35.6	42.0	45.7	48.0	51.1	53.1	53.7	49.1	40.2	29.2	15.3				
	6300		9.7	20.9	28.4	32.4	36.1	39.2	41.5	41.1	36.8	25.5	14.0					
	8000				9.7	15.3	19.1	22.9	26.4	25.3	20.4	5.9						
	10000							2.4	6.9	3.8								
OVERALL CALCULATED		70.0	75.0	78.4	80.9	83.2	84.9	86.8	89.2	90.8	89.7	86.6	86.0	83.4	77.5			
PND8		73.0	81.6	85.9	89.3	91.9	93.8	96.2	98.4	99.9	98.1	92.7	88.3	82.4	74.4			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA															PROC. DATE - MONTH 32 DAY 0 HR: 00:00 DAY - JENOTS				
ANGLES FROM INLET IN DEGREES (AND RADIANS)															0, 0, 0, 0, 0				
SPL INPUT AT STD	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.					
REV. ALPHA 12/73	FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)					
NO EGA	50	88.2	86.2	89.6	88.2	91.2	90.0	92.1	94.3	96.3	99.3	99.5	105.3	109.7	107.1	159.4			
REG. NO. 0.	63	88.6	89.3	90.3	88.8	90.2	90.9	93.7	94.7	96.4	98.4	100.5	106.1	108.1	105.6	158.9			
RADIAL 320. FT.	80	88.6	89.7	90.0	88.5	90.2	89.8	93.1	95.1	97.4	99.2	102.5	105.1	107.9	105.6	158.9			
(98. H)	100	88.5	89.7	90.4	90.8	91.5	91.5	93.4	96.6	98.0	101.3	102.7	104.3	104.2	103.7	158.1			
VEHICLE JENOTS	125	89.3	88.1	90.0	89.9	90.8	91.7	94.2	95.6	97.9	101.1	103.0	101.9	101.4	98.2	156.9			
CONFIG JENOTS	160	88.2	89.7	89.9	90.0	91.2	91.9	94.4	95.7	97.9	100.9	103.1	102.7	98.9	95.9	158.8			
LCC EVENDALB	200	87.3	88.7	89.7	90.7	91.6	92.5	94.5	96.2	97.8	100.0	101.6	100.5	96.9	93.7	155.8			
DATE 05-08-75	250	88.6	89.1	89.0	91.7	92.5	92.9	94.8	96.1	97.7	100.1	100.9	100.9	97.6	94.0	155.8			
RUN CBTF-MODEL 3	315	87.8	89.6	90.0	89.7	91.4	92.7	94.7	96.7	99.1	100.1	99.8	99.7	96.7	93.3	155.6			
YAGE X30410	400	87.9	89.9	90.1	91.5	92.1	93.6	94.8	96.7	99.4	99.9	99.7	98.9	97.1	93.9	155.7			
BAR 29.4 HG	500	85.8	89.5	89.6	91.1	92.7	94.2	95.5	98.0	101.1	99.7	98.9	98.4	96.9	94.1	156.2			
(99144. N/M2)	630	86.3	89.1	90.2	91.7	93.1	94.4	96.1	99.6	103.2	100.8	99.3	99.0	96.1	93.4	157.3			
TAMB 72. DEG F	800	86.2	90.3	91.4	93.5	94.8	96.4	97.8	100.8	104.2	100.9	98.8	98.6	96.5	93.3	158.2			
(295. DEG K)	1000	87.6	91.4	92.6	94.9	96.9	98.4	99.6	103.3	105.1	101.8	99.0	97.6	96.2	93.5	159.8			
TRET 56. DEG F	1250	88.6	93.3	94.6	97.4	98.8	100.2	101.9	105.4	107.0	103.3	99.8	97.4	96.1	93.9	161.4			
(286. DEG K)	1600	88.9	94.7	96.0	98.2	100.1	100.9	103.4	106.3	107.7	104.6	100.5	97.9	95.9	93.3	162.5			
HACT 0. GM/M3	2000	86.8	92.8	95.0	97.4	99.0	100.1	102.2	104.4	105.9	103.8	99.7	97.0	94.8	91.6	161.5			
(, KG/M3)	2500	83.5	89.8	91.2	94.0	95.8	96.7	99.1	100.4	102.3	100.5	97.4	94.7	91.7	88.3	158.2			
FREQ. SHIFT	3150	85.5	87.7	88.9	91.6	92.8	94.1	96.0	98.7	100.0	96.8	93.5	90.6	88.5	84.7	156.0			
JET 9	4000	76.4	83.2	84.8	88.0	88.8	91.6	93.7	95.6	96.8	94.2	90.1	87.2	84.5	80.7	153.7			
DIAMETER RATIO	5000	73.4	79.6	81.6	84.7	86.0	87.1	90.5	91.9	93.8	90.6	85.8	82.9	80.9	77.6	150.6			
CF/DM 8.00	6300	70.3	75.5	77.5	80.8	81.2	83.5	86.2	88.7	90.7	87.1	82.3	80.6	78.9	75.5	148.9			
	8000	68.4	71.3	73.5	75.7	77.0	79.7	82.7	85.5	87.8	85.4	79.2	79.2	78.4	75.2	147.4			
	10000	67.9	68.8	68.3	70.8	72.6	78.4	80.7	82.9	84.6	85.3	77.6	79.9	79.9	76.6	148.1			
OVERALL CALCULATED		100.4	103.4	104.5	106.1	107.6	108.7	110.7	113.4	115.3	113.9	113.3	114.1	115.0	112.6	171.5			
PNDB		109.5	114.1	115.7	117.7	119.2	120.4	122.8	124.8	126.6	124.9	122.3	120.8	119.2	116.2				

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ORIGINAL PAGE IS
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ANGLES FROM INLET IN DEGREES (AND RADIANS)

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		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL			
SPL INPUT AT STD		30.	45.	60.	75.	90.	105.	120.	135.	150.	165.	180.	195.	210.	225.	240.	255.	270.	285.	300.	315.
REV. ALPHA 12273		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)
NO EGA		50	73.4	74.7	78.3	79.7	82.4	80.7	82.8	84.8	84.6	85.3	83.5	89.3	92.2	92.9					144.6
RCG. NO. 0.		63	74.8	75.8	77.8	76.0	77.2	78.4	79.7	80.7	81.9	82.9	84.7	90.4	91.8	93.1					143.8
RADIAL 320, FT.		80	76.1	77.9	78.9	78.2	79.7	79.2	81.1	82.6	83.2	83.4	85.4	89.6	90.9	94.5					144.3
(798. H)		100	77.5	81.2	79.4	79.9	79.8	79.0	80.2	82.6	84.0	86.3	88.0	89.8	90.7	94.0					144.7
VEHICLE JENOTS		125	79.1	78.1	80.3	78.9	79.3	80.4	82.2	83.1	84.4	86.1	87.2	88.9	90.3	89.7					143.9
CONFIC JE-760		160	78.2	77.7	78.9	78.3	79.2	79.9	82.2	82.9	83.7	85.6	87.8	90.2	89.2	87.2					143.7
LOC EYENDALE		200	77.3	70.7	78.2	78.0	79.1	80.2	81.5	82.2	83.6	85.5	86.8	87.7	86.1	84.7					142.4
DATE 05-08-75		250	78.8	77.8	76.8	79.2	79.2	80.1	80.5	81.3	83.0	84.1	85.7	87.5	84.6	82.8					141.7
RUN DBTF-MODEL 3		315	77.6	77.6	77.8	77.0	77.4	78.4	80.0	81.4	82.8	83.6	84.5	85.9	82.9	80.0					140.7
TARE X30420		400	75.3	76.7	76.5	76.7	77.6	77.6	78.3	80.2	81.1	82.9	83.7	84.1	81.1	78.4					139.5
BAR 29.4 HG		500	73.7	75.0	75.8	75.1	76.7	77.6	77.9	79.8	80.4	82.0	82.9	82.9	78.9	76.1					138.7
(99279, N/12)		630	73.3	74.8	74.9	75.1	76.1	76.6	78.1	79.6	80.6	82.0	82.5	81.4	77.8	75.9					138.4
TAMB 65, DEG F		800	72.6	75.2	75.6	76.2	76.5	77.3	78.3	79.5	80.4	81.8	81.2	80.3	78.0	74.7					138.2
(291, DEG K)		1000	71.3	75.3	75.1	75.3	76.0	77.1	77.3	78.7	80.3	81.7	81.9	79.8	76.9	75.4					138.0
TWET 53, DEG F		1250	70.5	74.7	74.7	74.8	76.0	76.6	77.0	78.8	80.4	81.7	81.9	79.7	76.9	75.3					138.0
(285, DEG K)		1600	68.0	72.8	73.6	73.3	74.7	74.5	75.5	77.1	78.1	80.2	80.1	79.3	75.7	73.9					136.6
HACT 0. GH/M3		2000	65.1	70.6	70.9	70.4	72.1	72.6	73.5	75.5	76.0	77.2	77.1	76.4	73.1	70.3					134.3
(1, KG/M3)		2500	62.5	69.1	67.5	67.8	69.1	69.3	70.4	72.2	74.3	74.5	74.2	72.7	70.0	67.6					131.8
FREQ. SHIFT		3150	58.8	70.7	65.5	65.1	65.3	66.1	67.2	68.8	70.3	71.3	70.3	69.4	67.5	64.7					129.2
JET 9		4000	54.2	64.3	60.6	60.3	60.6	62.4	63.9	65.6	66.0	68.5	67.1	66.0	64.6	61.7					128.2
DIAMETER RATIO		5000	52.7	62.7	57.4	57.7	58.0	58.1	60.0	60.9	62.1	66.1	63.1	63.7	63.4	61.7					123.6
DF/LM 8.00		6300	52.6	62.0	54.8	55.1	60.2	56.0	57.1	58.2	57.8	67.2	62.7	64.6	65.2	63.1					124.7
OVERALL CALCULATED		8000	54.5	60.2	54.6	54.8	58.8	56.1	57.6	58.1	55.6	69.5	63.8	67.0	67.2	65.5					128.0
PNOB		10000	55.8	62.9	54.9	55.7	60.4	58.5	58.8	59.3	56.0	72.2	66.5	69.5	69.3	67.2					133.0
			88.2	89.1	89.6	89.5	90.5	90.8	92.2	93.6	94.6	96.0	97.0	99.1	99.5	100.7					154.1
			93.4	97.3	96.1	96.0	97.2	97.4	98.5	100.1	101.0	103.2	103.1	103.6	102.2	102.1					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD REV. ALPHA 12/73		ANGLES FROM INLET IN DEGREES (AND RADIAN)																		0.0 0.0 0.0		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230
		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)	(3.85)	(4.02)
KD EGA		50	54.6	53.1	58.3	60.7	64.2	62.9	65.2	67.0	66.3	66.4	63.5	67.7	88.4	65.6						
SIDELINE 24000 FT		63	50.9	54.2	57.7	57.5	59.0	60.5	62.0	62.9	63.7	64.0	64.6	68.7	87.9	65.6						
2731.52 ft		80	52.5	56.2	58.8	59.2	61.4	61.4	63.4	64.7	64.9	64.4	65.3	67.8	86.9	67.0						
NFA 0. RPM		100	53.3	58.3	59.2	60.6	61.4	61.1	62.4	64.7	65.7	67.1	67.7	67.9	86.5	66.2						
(0. RAD/SEC)		125	54.7	56.2	59.9	59.7	60.8	62.4	64.3	65.1	65.9	66.9	66.9	66.9	86.0	61.6						
NFK 0. RPM		160	53.7	55.5	58.4	59.0	60.7	61.8	64.2	64.8	65.1	66.3	67.4	68.1	84.6	58.8						
(0. RAD/SEC)		200	52.5	56.4	57.5	58.5	60.4	62.0	63.4	64.0	64.9	66.0	66.2	65.4	81.3	56.0						
NFD 0. RPM		250	53.7	55.3	55.9	59.5	60.4	61.7	62.3	62.9	64.1	64.5	64.8	64.9	59.5	53.5						
(0. RAD/SEC)		315	52.0	54.7	56.7	57.1	58.3	59.8	61.5	62.8	63.7	63.7	63.4	63.1	57.4	50.1						
(0. RAD/SEC)		400	49.2	53.4	55.1	56.6	58.3	58.8	59.6	61.3	61.7	62.7	62.3	60.8	55.0	47.7						
AIRFLOW RATIO		500	47.0	51.2	53.9	54.6	57.0	58.5	58.9	60.6	60.7	61.4	61.0	59.0	52.1	44.4						
WF/W 8.00		630	45.7	50.4	52.5	54.2	56.0	57.1	58.7	60.0	60.5	61.1	60.1	57.0	50.2	42.9						
		800	43.9	49.9	52.5	54.6	55.9	57.2	58.3	59.4	59.8	60.2	58.1	55.0	49.2	40.1						
VEHICLE JENOTS		1000	41.1	48.9	51.1	52.9	54.7	56.4	57.0	58.0	59.0	59.3	58.0	53.4	46.8	38.8						
CONFIG JE-000		1250	38.7	47.1	49.7	51.5	53.8	55.1	55.6	57.2	58.2	58.4	56.9	52.1	45.1	36.1						
LCC EVENDALE		1600	33.8	43.3	47.1	48.7	51.4	51.8	53.1	54.4	54.7	55.6	53.9	49.8	41.5	31.1						
DATE 05-08-75		2000	28.0	38.9	42.5	44.3	47.3	48.6	49.7	51.4	51.2	51.0	48.7	44.7	36.0	23.3						
RLN DBTF-MODEL 3		2500	21.2	34.2	36.5	39.3	42.2	43.2	44.6	46.1	47.4	46.1	43.2	37.8	28.7	14.1						
TAPE X39420		3150	19.7	30.7	30.3	32.9	35.1	36.9	38.3	39.5	40.0	39.1	35.0	29.4	19.5	1.2						
FAN TIP SPEED		4000		16.5	19.0	22.6	25.3	28.4	30.4	31.6	30.7	30.8	25.6	18.3	6.4							
FT/SEC		5000		10.5	12.2	16.8	19.8	21.3	23.7	24.2	23.8	23.2	17.8	11.5								
		6360				4.8	13.4	11.1	12.8	13.4	11.0	16.8	6.6									
		8000							1.0	0.8		4.7										
		10000																				
OVERALL CALCULATED			53.2	66.1	68.6	69.7	71.5	72.2	73.7	75.0	75.5	76.1	76.1	76.9	75.2	72.9						
PNDB			53.2	68.1	70.4	71.9	73.9	74.9	76.2	77.6	78.2	78.7	78.8	77.0	72.3	67.5						

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE - MONTH 38 DAY 0 HR. 0.8
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0.0 0.0 0.0			PWL
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	180.	180.	180.	180.	180.	180.
REV. ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)	(3.67)	(3.85)
NO EGA		50	76.7	73.7	78.1	77.9	80.2	79.2	81.1	82.6	83.6	84.6	82.8	88.8	92.2	91.9	91.9	91.9	91.9	91.9	143.8
REG. NC. 6.		63	74.3	75.8	77.6	76.0	77.2	78.1	80.2	81.0	82.4	83.4	85.2	90.6	91.8	93.3	93.3	93.3	93.3	93.3	144.1
RADIAL 320. FT.		86	76.1	77.2	78.9	77.7	79.4	78.7	80.8	81.9	83.2	83.2	84.9	89.6	91.6	93.8	93.8	93.8	93.8	93.8	144.1
VEHICLE JENOTS		100	77.2	79.7	78.9	79.5	79.8	79.0	80.7	82.1	83.3	83.3	86.0	88.0	89.8	90.7	93.0	93.0	93.0	93.0	144.4
CCNFIG JE-CKO		125	78.8	77.6	79.3	78.9	79.5	80.7	81.9	83.1	83.9	85.8	86.5	88.7	89.6	89.2	91.5	91.5	91.5	91.5	143.5
LCC EVENDALE		160	77.5	77.4	78.1	78.0	79.2	79.4	82.2	82.9	83.4	85.4	86.8	89.5	88.4	85.9	91.1	91.1	91.1	91.1	143.1
DATE 05-08-75		200	76.8	78.2	78.2	78.5	79.1	80.0	81.5	82.0	83.1	84.5	86.8	87.2	85.6	83.2	91.2	91.2	91.2	91.2	142.1
RLN DBTF-MODEL 3		250	78.3	76.8	77.3	78.7	79.2	80.1	80.3	81.3	82.5	83.6	85.2	86.8	83.3	81.0	91.2	91.2	91.2	91.2	141.2
TAPE X30430		315	77.0	76.8	77.5	76.7	77.8	78.4	79.2	80.9	82.0	82.8	83.7	84.7	81.4	78.5	91.0	91.0	91.0	91.0	140.0
BAR 29.4 HG		400	75.1	76.4	76.5	77.2	77.6	77.6	78.3	80.1	80.6	82.9	83.2	83.9	80.3	77.4	139.3	139.3	139.3	139.3	139.3
(99347, N792)		500	72.9	75.2	75.8	76.3	76.2	77.3	78.1	79.7	80.3	81.9	82.6	82.1	77.8	75.0	138.5	138.5	138.5	138.5	138.5
TAMS 69. DEG F		630	73.0	74.8	75.6	75.6	76.3	77.1	77.8	79.3	80.8	81.5	82.5	81.1	77.3	75.1	138.3	138.3	138.3	138.3	138.3
(244, DEG K)		800	72.3	76.4	75.6	77.4	77.2	77.5	78.1	79.5	80.4	81.3	81.7	80.3	77.2	75.2	138.3	138.3	138.3	138.3	138.3
T-ET 56. DEG F		1000	72.2	76.7	77.5	77.7	78.2	78.3	77.7	79.6	81.0	82.3	81.6	79.4	77.1	76.3	138.8	138.8	138.8	138.8	138.8
(286, DEG K)		1250	73.6	76.6	77.4	77.2	78.1	77.3	77.6	79.9	81.0	82.0	82.8	78.4	77.3	75.4	138.9	138.9	138.9	138.9	138.9
HACT 0. GM/M3		1600	69.1	75.2	76.8	77.0	77.6	76.6	77.2	77.5	78.9	80.5	81.7	77.4	75.8	74.5	137.8	137.8	137.8	137.8	137.8
(1, KG/M3)		2000	66.7	73.5	75.0	75.1	75.5	75.2	75.6	76.9	77.4	78.5	79.7	75.2	73.7	72.1	136.3	136.3	136.3	136.3	136.3
FREQ. SHIFT		2500	63.4	71.4	72.6	72.7	72.7	71.9	72.5	74.0	75.7	76.2	76.1	72.6	71.4	69.7	133.9	133.9	133.9	133.9	133.9
JET 9		3150	60.1	69.6	70.6	70.2	69.5	68.7	69.9	71.1	72.4	73.9	72.6	69.8	69.9	67.8	131.6	131.6	131.6	131.6	131.6
DIAMETER RATIO		4000	56.4	65.4	66.2	66.2	65.5	65.3	66.6	67.8	68.7	70.7	69.3	66.4	67.2	64.1	128.8	128.8	128.8	128.8	128.8
CF/DH 8.00		5000	54.4	62.4	63.4	63.4	62.7	61.8	62.5	63.9	65.0	68.0	65.0	63.9	64.9	63.1	126.1	126.1	126.1	126.1	126.1
OVERALL CALCULATED		6000	54.5	59.3	60.0	60.0	63.7	58.5	59.8	60.2	60.7	67.9	63.9	65.6	65.2	63.0	126.0	126.0	126.0	126.0	126.0
PNDB		8000	56.3	57.8	57.7	58.1	59.2	56.4	58.7	59.2	58.2	70.1	64.4	67.6	67.1	65.1	128.8	128.8	128.8	128.8	128.8
		10000	58.4	58.0	56.3	56.8	60.8	58.4	59.7	59.6	56.5	72.5	66.6	70.1	69.6	67.3	133.2	133.2	133.2	133.2	133.2
			87.8	89.1	90.0	90.0	90.8	90.9	92.1	93.3	94.4	95.8	96.8	98.8	99.4	100.0	153.9	153.9	153.9	153.9	153.9
			93.5	97.4	98.4	98.5	99.1	98.8	99.6	100.8	101.8	103.5	103.9	103.1	102.1	101.8					

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ORIGINAL PAGE IS
 OF POOR QUALITY

ANGLES FROM INLET IN DEGREES (AND RADIANS)

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PAGE 1 -- FULL SCALE DATA REDUCTION PROGRAM										PROC. DATE 2 MONTH 26 DAY 0 HR. 0 MIN. 0 SEC. DAY 2 JENOTS									
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY 2 JENOTS)																			
SPL INPUT AT 910										PHL									
REV. ALPHA 12/73																			
FREQ. (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (2.96) (3.14) (3.32) (3.50) (3.68) (3.86)																			
30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160.																			
ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
NO EGA	63	78.6	78.8	79.8	78.8	79.7	80.9	83.7	83.5	86.2	87.4	89.5	96.4	98.8	97.6				151.5
FIG. NO. C.	80	79.6	79.7	79.9	78.9	80.4	80.7	82.6	84.6	86.7	87.7	91.4	96.1	98.4	100.0				149.8
RADIAL 320, FT.	100	79.0	81.2	80.6	81.3	81.3	81.0	82.4	85.1	87.0	89.8	92.7	95.3	96.0	98.7				149.9
(98. M)	125	80.0	79.4	81.3	80.4	80.8	81.7	83.7	85.6	86.9	90.3	92.5	94.2	94.6	93.9				149.1
VEHICLE JENOTS	160	79.2	79.7	80.9	79.8	80.7	81.7	84.4	85.4	86.7	89.6	92.6	95.0	93.7	90.4				147.9
CONFIG JE-J60	200	77.8	79.7	79.7	79.5	81.1	82.5	83.5	85.0	86.3	89.2	92.1	92.5	90.4	87.7				147.6
LCC EVENDALE	250	78.3	77.8	78.3	80.4	81.2	81.6	83.0	84.6	85.7	88.6	90.7	91.5	88.1	85.8				146.2
DATE 05-08-75	315	77.3	77.9	78.2	77.5	79.3	79.9	81.7	83.7	85.5	87.8	88.7	89.9	85.7	82.2				145.2
RLN DETF-MODEL 3	400	74.8	76.4	77.8	77.7	78.6	79.6	81.0	82.4	84.1	86.9	87.4	87.9	83.6	80.4				143.8
TAPE X33460	500	73.4	75.0	76.0	76.3	77.2	78.8	80.1	82.0	83.3	85.4	85.8	84.6	79.6	76.3				142.5
BAR 29.4 HG	630	72.5	74.8	75.1	75.4	76.6	77.4	79.1	81.3	82.8	85.3	85.0	83.1	77.5	75.4				140.9
(99313, N/42)	600	72.1	74.4	75.6	76.2	77.0	77.8	79.5	80.0	81.9	83.8	83.2	81.0	76.7	74.2				140.2
TAMB 69. DEG F	1000	71.2	75.0	75.5	76.0	76.5	76.5	77.4	79.6	81.0	82.6	81.4	79.2	75.3	73.8				139.2
(294, DEG K)	1250	70.1	73.6	74.4	74.4	75.9	75.5	76.9	78.9	80.0	81.3	80.5	77.1	74.3	72.7				138.2
THEY 56. DEG F	1600	67.6	72.4	73.5	74.0	74.6	74.6	75.4	77.5	78.2	80.0	79.2	75.1	73.3	72.2				137.8
(286, DEG K)	2000	64.4	70.2	71.2	71.6	72.5	72.2	73.4	75.9	76.9	77.8	76.7	73.5	71.0	69.6				136.2
FACT 0. GM/M3	2500	60.9	68.2	68.9	69.2	69.7	69.1	70.8	73.3	74.7	75.2	74.6	70.8	68.9	68.2				134.5
1, KG/M3	3150	58.4	66.1	66.8	67.0	66.5	66.0	68.4	69.9	71.4	72.4	70.4	68.0	66.9	66.6				132.2
FREQ. SHIFT	4000	55.1	62.2	63.2	62.9	62.5	63.0	64.3	67.3	67.7	69.4	67.3	65.4	64.7	67.4				129.7
JET 9	5000	53.9	60.1	60.6	59.9	60.0	58.5	61.0	64.4	64.7	67.8	64.0	63.7	63.6	69.1				127.2
DIAMETER RATIO	6300	54.5	57.8	58.0	57.8	63.0	56.8	58.3	64.2	62.2	68.9	62.9	65.3	65.7	72.0				125.5
EF/DM 8.36	8000	56.6	56.5	56.2	56.9	58.7	55.9	57.9	66.0	62.7	71.6	64.9	67.6	68.1	74.6				127.2
	10000	58.6	58.2	56.0	56.5	60.5	58.4	59.9	67.9	64.5	73.5	66.8	70.3	69.6	76.5				130.9
OVERALL CALCULATED		89.6	96.0	91.1	91.2	92.4	92.6	94.6	96.2	97.8	100.0	101.7	104.5	105.6	105.9				135.5
PNOB		93.7	96.0	96.9	97.1	98.1	98.1	99.5	101.9	103.0	105.4	106.0	106.5	105.3	106.6				158.5

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ORIGINAL PAGE 2
POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD REV, ALPHA 12/73		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ:		30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	170'	180'	190'
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)
NO EGA		56	58.6	56.6	63.3	65.5	68.4	67.2	70.4	71.8	73.1	73.6	71.7	75.4	76.1	72.8	72.8	72.8
SIDELINE 2400 FT		63	54.6	57.2	59.7	59.8	61.5	63.0	66.0	65.6	67.9	68.5	69.4	74.7	74.9	70.1	70.1	70.1
{73.52 M}		80	53.5	58.0	59.8	59.9	62.2	62.9	64.9	66.7	68.4	68.7	71.3	74.3	74.4	72.5	72.5	72.5
AFA		100	54.8	59.3	60.4	62.1	62.9	63.1	64.6	67.2	68.7	70.6	72.5	73.4	71.8	70.9	70.9	70.9
C. RPM		125	56.2	57.4	60.9	61.2	62.3	63.7	65.8	67.6	68.4	71.1	72.1	72.2	70.3	65.9	65.9	65.9
C. RAD/SEC		150	54.7	57.6	60.4	60.3	62.2	63.6	66.4	67.3	68.1	70.3	72.1	72.9	69.1	62.1	62.1	62.1
AFK		200	53.0	57.4	59.0	60.0	62.4	64.2	65.4	66.7	67.6	69.8	71.5	70.1	65.6	59.0	59.0	59.0
C. RPM		250	53.2	55.3	57.4	60.8	62.4	63.2	64.8	66.2	66.9	69.0	69.8	68.9	63.0	56.5	56.5	56.5
C. RAD/SEC		315	51.7	54.9	57.1	57.6	60.3	61.3	63.2	65.1	66.5	68.0	67.6	67.0	60.1	52.4	52.4	52.4
AFD		400	48.7	53.1	56.3	57.6	59.3	60.7	62.3	63.5	64.7	66.7	66.0	64.0	57.5	49.7	49.7	49.7
C. RPM		500	46.7	51.2	54.2	55.8	57.5	59.7	61.1	62.8	63.7	64.9	64.0	60.8	52.8	44.6	44.6	44.6
C. RAD/SEC		630	44.9	50.3	52.7	54.4	56.5	57.8	59.7	61.7	62.8	64.3	62.6	58.7	49.9	42.4	42.4	42.4
AIRFLOW RATIO		800	43.3	49.1	52.5	54.6	56.3	57.7	58.5	59.8	61.2	62.1	60.1	55.7	47.9	39.5	39.5	39.5
WF/KM 8.00		1000	41.1	48.6	51.5	53.6	55.1	55.8	56.9	58.9	59.6	60.2	57.4	52.8	45.2	37.2	37.2	37.2
VEHICLE JENOTS		1250	36.3	45.9	49.3	51.1	53.7	54.0	55.5	57.4	57.9	58.0	55.5	49.5	42.5	33.5	33.5	33.5
CCNFIG JE-080		1600	33.4	42.9	47.0	49.4	51.2	51.9	52.9	54.8	54.8	55.4	52.7	45.7	39.1	29.4	29.4	29.4
LCC EVENDALE		2000	27.3	38.5	42.9	45.4	47.7	48.2	49.5	51.8	52.1	51.6	48.3	41.8	33.9	22.4	22.4	22.4
DATE 03-08-75		2500	29.6	33.3	37.9	40.7	42.8	43.1	45.0	47.3	47.7	46.7	43.6	35.9	27.6	14.7	14.7	14.7
RLN CBTF-MODEL 3		3150	20.3	26.1	31.6	34.8	36.2	36.7	39.5	40.6	41.1	40.3	35.2	28.0	18.8	5.1	5.1	5.1
TAPE X30460		4000	14.4	21.7	25.2	27.2	29.0	29.0	30.8	33.3	32.4	31.7	25.7	17.7	6.6			
FAN TIP SPEED		5000	7.9	15.4	19.0	21.8	21.8	24.7	27.6	26.9	26.9	26.9	18.8	11.5				
FT/SEC		6300			2.0	7.5	16.2	11.9	14.0	19.3	15.4	18.6	6.8	0.0				
		8000							1.4	8.6	2.7	6.9						
		10000																
OVERALL CALCULATED			65.0	67.4	70.3	71.6	73.6	74.2	76.4	77.8	79.0	80.4	81.1	82.5	81.5	78.2	78.2	78.2
PNDB			63.4	68.2	71.5	73.2	75.2	76.2	78.0	79.7	80.7	82.1	82.2	81.1	76.5	72.1	72.1	72.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENDTS)

		PROC. DATE 4 MONTH 04 DAY 0 HR, 00.8												REL. HUM, DAY - JENDTS			PWL	
		DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENDTS)												(0.0) (0.0) (0.0)				
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.			
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.			
REV. ALPHA 12/73		FREQ.	(0.52)	(0.74)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)		(3.0)
NO EGA		50	84.4	84.7	84.3	85.7	87.7	86.5	89.6	91.1	93.3	96.1	96.3	100.8	103.7	102.9	154.7	
RDG. NO. C.		63	84.3	83.6	84.8	83.0	83.5	84.6	88.5	88.5	89.7	91.9	95.0	102.4	104.8	101.1	154.9	
RADIAL 320 FT.		100	84.7	84.9	84.6	84.5	85.0	85.0	86.4	89.6	90.8	95.0	97.5	101.0	102.0	105.5	154.8	
VEHICLE JENDTS		125	85.8	83.9	85.3	84.6	85.0	85.9	88.2	89.8	91.9	95.6	96.0	99.7	100.6	101.7	153.6	
COAFIG JE-060		160	84.2	84.4	85.4	84.3	85.5	86.2	88.9	90.4	91.9	95.4	96.6	101.0	100.2	98.7	153.6	
LCC EVENDALE		200	82.6	84.7	84.2	84.5	85.1	87.0	88.3	90.0	91.6	94.5	97.3	97.2	97.1	96.0	151.6	
DATE 05-08-75		250	83.3	82.6	82.5	84.9	86.0	86.6	87.8	89.6	91.7	94.1	96.2	96.8	95.3	95.3	150.9	
RUN DETF-MOORE 3		315	83.1	83.6	83.3	84.7	85.1	89.7	87.5	89.2	91.3	93.8	94.5	95.2	92.9	94.2	149.9	
TAPE X30490		400	79.8	81.4	81.5	82.5	83.1	84.1	86.0	87.9	90.1	92.9	92.9	93.4	90.3	89.2	148.2	
BAR 29.4 HG		500	77.5	79.0	79.5	80.6	81.7	83.4	85.2	87.5	89.4	91.7	91.4	89.9	86.9	84.8	146.6	
(99279, N/42)		630	76.3	78.6	78.9	79.4	81.1	82.4	84.3	86.3	88.9	91.0	90.5	88.7	84.3	81.1	145.7	
TAMB 65 DEG F		800	75.9	78.7	78.9	79.5	81.0	82.1	83.3	85.5	87.9	89.3	88.2	85.8	82.0	78.5	144.3	
(291, DEG K)		1000	75.3	77.8	77.8	79.0	80.0	81.1	82.8	85.2	86.8	88.4	86.7	84.3	80.7	77.2	143.4	
THET 53 DEG F		1250	73.8	76.7	77.0	77.5	79.0	80.1	81.2	84.3	86.1	87.2	85.9	81.2	78.4	76.0	142.4	
(285, DEG K)		1600	71.5	74.5	75.6	75.6	77.5	78.5	80.5	82.4	84.3	85.4	83.8	80.0	76.7	74.4	140.9	
HACT 0. GN/M3		2000	68.8	72.9	72.9	73.4	75.4	76.6	78.7	80.5	82.0	82.7	81.6	78.4	74.6	72.5	138.8	
6. KG/M3		2500	65.5	70.1	70.0	70.3	71.6	73.0	76.4	77.7	80.3	79.8	78.5	76.0	72.5	69.8	136.5	
FREQ. SHIFT		3150	61.8	68.7	66.7	67.1	68.6	70.3	73.8	74.5	76.3	76.6	75.0	73.9	72.3	70.0	133.8	
JET 9		4000	57.2	63.5	62.3	62.5	64.3	66.9	69.4	70.9	71.8	73.0	71.9	72.0	71.8	68.2	131.2	
DIAMETER RATIO		5000	55.7	61.2	58.9	59.5	63.8	63.8	66.0	66.4	67.8	70.1	70.1	72.0	72.4	70.2	129.7	
OF/DH 8.00		6300	55.8	60.0	56.5	57.1	65.7	63.5	65.3	64.7	64.3	70.7	71.7	74.9	75.2	72.1	132.0	
10000		8000	57.5	60.7	55.6	56.3	66.8	65.3	66.6	65.6	63.3	72.5	73.3	77.5	76.9	74.8	135.7	
OVERALL CALCULATED		10000	59.0	61.4	55.4	56.4	68.4	67.8	69.1	67.5	64.5	74.2	75.8	80.0	79.3	76.7	140.6	
PNDB			94.4	94.3	94.9	95.0	96.1	96.7	98.8	100.6	102.5	105.2	107.1	110.0	111.1	111.0	163.6	
			98.3	99.8	99.7	100.4	101.9	102.7	104.7	106.4	108.2	110.6	111.4	112.3	111.4	111.7		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT STD REV. ALPHA 12/73		30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.09)	130. (2.27)	140. (2.44)	150. (2.62)	160. (2.79)	0. (0.0)	0. (0.0)	0. (0.0)
NFA	0. RPM	50	60.6	59.1	64.3	66.7	69.4	68.7	71.9	73.3	75.1	77.1	76.2	79.2	79.9	75.6		
SIDELINE	2430 FT	63	60.4	61.9	64.7	64.0	65.2	66.8	70.8	70.6	71.4	73.0	74.9	80.7	80.9	73.6		
	(731.52 M)	90	61.0	63.0	64.8	64.4	66.4	66.6	69.6	71.0	73.4	74.4	77.3	80.6	79.9	76.5		
NFA	0. RPM	125	61.5	61.9	64.9	65.3	66.6	67.9	70.3	71.8	73.4	76.4	77.6	77.7	76.3	73.6		
	(0. RAD/SEC)	160	59.7	62.3	64.9	65.0	66.9	68.0	70.9	72.3	73.4	76.1	78.1	78.9	75.6	70.3		
NFK	0. RPM	200	58.0	62.4	63.5	65.0	66.4	68.7	70.2	71.7	72.9	75.0	76.7	74.9	72.3	67.2		
	(0. RAD/SEC)	250	58.2	60.0	61.7	65.3	67.1	68.2	69.5	71.2	72.9	74.5	75.3	74.2	70.2	66.0		
NFD	0. RPM	315	57.5	60.7	62.2	64.8	66.0	67.1	69.0	70.6	72.2	74.0	73.4	72.3	67.4	64.4		
	(0. RAD/SEC)	400	53.7	58.1	60.1	62.3	63.8	65.3	67.3	69.0	70.7	72.7	71.5	70.1	64.2	58.5		
AIRFLOW	RATIO	500	50.7	55.2	57.7	60.1	62.0	64.2	66.2	68.3	69.7	71.2	69.5	66.0	60.1	53.1		
WF/WH	8.00	630	48.7	54.1	56.5	58.4	61.0	62.8	64.9	66.8	68.8	70.1	68.1	64.2	56.7	48.2		
		800	47.1	53.4	55.8	57.9	60.4	62.0	63.3	65.4	67.3	67.7	65.1	60.5	53.2	43.8		
VEHICLE	JENOTS	1000	35.1	41.4	43.9	46.7	48.7	50.4	52.2	54.5	55.5	56.1	52.7	47.9	30.6	40.5		
CONFIG	JE-060	1250	42.0	49.1	52.0	54.2	56.8	58.6	59.9	62.7	64.0	63.9	60.9	53.6	46.6	36.8		
LOC	EVENDALE	1600	37.3	45.3	49.1	51.0	54.1	55.8	58.1	59.7	60.9	60.8	57.3	50.5	42.5	31.6		
DATE	05-08-75	2000	31.7	41.2	44.5	47.3	50.5	52.6	54.9	56.4	57.2	56.5	53.2	46.7	37.5	25.3		
RLN	DBTF-MODEL 3	2500	24.2	35.2	39.0	41.8	44.7	47.0	50.6	51.6	53.4	51.3	47.5	41.1	31.2	16.4		
TARE	X30490	3150	33.7	28.7	31.5	34.9	38.3	41.1	44.1	45.3	46.0	44.4	39.8	33.9	24.2	6.5		
FAN TIP SPEED		4000		15.6	20.8	24.8	29.0	32.9	35.9	36.9	36.5	35.3	30.3	24.3	13.7			
	FT/SEC	5000		9.0	13.7	18.6	23.6	27.1	29.7	29.7	29.6	29.2	24.8	19.8	8.4			
		6300			0.5	6.8	18.9	18.6	21.0	19.9	17.5	20.3	15.6	9.6				
		8000					6.9	8.0	10.0	8.3	3.4	7.7	0.7					
		10000																
OVERALL CALCULATED			89.7	91.8	74.1	75.4	77.2	78.2	80.5	82.1	83.6	85.6	86.5	88.0	86.9	83.2		
	PNDB		88.8	73.0	75.3	77.6	79.6	81.0	83.2	84.9	86.5	88.0	87.9	87.1	83.5	79.9		

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIAN)S																PHL		
REV. ALPHA 12/73		FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.
			(0.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)
NO EGA		50	82.7	81.2	84.6	84.2	85.7	84.7	87.3	89.8	91.8	94.8	95.3	100.8	103.2	102.6	102.6	102.6	102.6	102.6
REG. NO: 0.		63	82.8	82.8	83.6	82.3	82.7	83.6	87.3	89.8	91.8	94.8	95.3	100.8	103.2	102.6	102.6	102.6	102.6	102.6
RADIAL 320. FT.		85	83.6	83.2	83.7	82.7	83.9	83.7	86.6	88.6	91.2	92.9	96.2	101.6	103.4	102.0	102.0	102.0	102.0	102.0
(98. M)		100	83.2	84.3	83.6	83.8	84.6	84.3	86.4	89.1	90.5	94.0	96.7	100.0	100.5	102.7	102.7	102.7	102.7	102.7
VEHICLE - JENOTS		125	84.3	82.1	84.0	83.4	84.3	85.2	87.2	89.3	91.4	94.8	96.7	97.9	98.6	98.2	98.2	98.2	98.2	98.2
CCNFIG - J-060		160	82.5	82.4	83.4	83.5	84.5	85.2	87.7	88.7	90.9	94.1	97.6	99.2	96.9	96.2	96.2	96.2	96.2	96.2
LOC - EVENDALE		200	80.8	82.7	82.7	83.5	84.3	85.5	87.0	89.0	90.8	93.0	96.3	96.2	94.6	93.5	93.5	93.5	93.5	93.5
DATE 05-08-75		250	81.6	81.1	81.3	83.7	84.7	84.9	86.5	88.3	90.0	92.4	94.7	94.8	92.3	92.5	92.5	92.5	92.5	92.5
RLN - BTTF-MODEL 3		315	79.3	81.0	82.0	81.5	82.3	83.7	85.2	86.9	90.0	91.3	92.5	92.2	89.2	89.7	89.7	89.7	89.7	89.7
TAPE - X30510		400	77.8	80.7	80.8	81.5	82.4	82.6	84.3	86.6	88.1	90.9	90.9	89.9	87.1	86.6	86.6	86.6	86.6	86.6
BAR 29.4 HG		500	75.4	78.5	80.3	80.8	81.4	82.3	83.9	86.0	87.8	89.9	89.3	87.3	82.8	81.5	81.5	81.5	81.5	81.5
(99279. N/M2)		630	75.5	78.8	80.1	80.1	81.1	82.4	84.1	86.0	88.1	90.0	88.7	85.4	80.8	78.9	78.9	78.9	78.9	78.9
TAMB 69. DEG F		850	75.1	80.1	81.1	81.7	82.0	82.0	83.7	85.7	87.6	90.3	88.2	84.8	81.2	78.4	78.4	78.4	78.4	78.4
(294. DEG K)		1000	75.2	80.5	81.7	82.5	82.2	82.8	83.2	85.6	87.2	89.3	87.6	83.7	80.8	79.3	79.3	79.3	79.3	79.3
TLET 56. DEG F		1250	73.9	79.6	81.9	81.9	82.1	82.0	83.1	85.4	86.5	88.5	87.5	82.6	80.6	78.9	78.9	78.9	78.9	78.9
(288. DEG K)		1600	71.9	79.2	82.0	81.7	81.4	81.6	82.7	84.0	85.2	87.0	85.7	81.1	79.8	78.2	78.2	78.2	78.2	78.2
HACT 0. GM/M3		2000	69.2	78.0	79.7	79.8	81.2	79.7	81.1	82.9	84.1	85.0	83.2	79.7	78.0	75.8	75.8	75.8	75.8	75.8
(KG/M3)		2500	66.6	76.4	77.1	77.7	77.5	76.9	78.8	81.0	82.7	82.4	80.8	76.8	76.1	74.2	74.2	74.2	74.2	74.2
FREQ. SHIFT		3150	63.9	74.6	75.6	76.0	74.7	74.5	76.1	78.6	79.9	80.4	77.4	74.8	75.1	73.1	73.1	73.1	73.1	73.1
JET 9		4000	60.1	70.4	72.0	72.4	73.5	71.5	73.3	75.3	76.2	77.4	74.5	73.2	73.5	71.1	71.1	71.1	71.1	71.1
DIAMETER RATIO		5000	58.7	67.9	68.4	69.4	67.7	67.3	69.5	71.1	72.2	73.8	72.0	72.4	72.9	71.1	71.1	71.1	71.1	71.1
DF/DH 8.00		6300	56.8	64.5	65.5	65.3	66.0	65.5	67.3	68.2	68.7	72.1	72.1	74.8	74.7	72.5	72.5	72.5	72.5	72.5
OVERALL CALCULATED		8000	58.1	61.5	62.2	62.1	61.7	65.4	66.9	67.7	65.7	72.9	73.7	76.9	77.1	74.9	74.9	74.9	74.9	74.9
PNDB		10000	59.1	59.2	58.5	58.5	61.0	67.9	68.4	68.9	65.3	74.3	75.8	79.1	78.8	77.0	77.0	77.0	77.0	77.0
			92.7	93.7	94.8	94.9	95.6	96.0	97.9	99.9	101.8	104.3	106.0	108.7	109.8	109.0	109.0	109.0	109.0	109.0
			97.2	102.0	103.3	103.9	103.7	103.9	105.5	107.5	109.0	110.7	111.0	111.1	110.5	110.1	110.1	110.1	110.1	110.1

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59: DEG, F, 70 PERCENT REL. HUM., DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0: 0: 0:		
SPL INPUT AT STD REV. ALPHA 12/73		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
NO EGA		50	58.8	58.6	64.5	65.2	67.4	66.9	69.7	72.0	73.6	75.9	75.2	79.2	79.4	75.3				
SIDELINE 2400 FT		63	58.9	61.2	63.5	63.3	64.5	65.9	68.5	69.6	71.4	72.7	74.1	79.2	79.4	72.1				
(731.52 M)		80	59.5	61.5	63.6	63.7	65.7	65.9	68.9	70.7	72.9	73.9	76.1	79.8	79.4	74.5				
AFA 0: RPM		100	59.0	62.3	63.4	64.6	66.4	66.3	68.6	71.2	72.2	74.9	76.5	78.2	76.3	74.9				
(0: RAD/SEC)		125	60.0	60.2	63.7	64.2	65.8	67.2	69.3	71.3	72.9	75.7	76.4	75.9	74.3	70.1				
AFK 0: PPM		160	57.9	60.3	62.9	64.2	65.9	67.1	69.7	70.6	72.4	74.8	77.1	77.1	72.4	67.8				
(0: RAD/SEC)		200	56.0	60.4	62.0	64.0	65.6	67.2	68.9	70.7	72.1	73.5	75.7	73.9	69.8	64.7				
AFD 0: RPM		250	56.5	58.5	60.4	64.0	65.9	66.5	68.3	69.9	71.1	72.7	73.8	72.2	67.2	63.3				
(0: RAD/SEC)		315	53.7	58.2	60.9	61.6	63.3	65.1	66.7	68.3	71.0	71.5	71.4	69.3	63.6	59.9				
AIRFLOW RATIO		400	51.7	57.4	59.3	61.3	63.0	63.7	65.6	67.8	68.7	70.7	69.5	66.6	61.0	56.0				
WF/WF 8.00		500	48.7	54.7	58.4	60.3	61.6	63.2	64.9	66.8	68.2	69.4	67.5	63.5	56.1	49.9				
VEHICLE - JENOTS		630	47.9	54.3	57.7	59.1	61.0	62.8	64.7	66.5	68.0	69.0	66.3	60.9	53.2	45.9				
CONFIG JE-060		800	46.3	54.8	58.0	60.1	61.3	61.9	63.8	65.6	67.0	68.6	65.1	59.4	52.4	43.8				
LCC EVENDALE		1000	45.1	54.1	57.8	60.1	60.9	62.0	62.6	64.9	65.9	67.0	63.7	57.3	50.7	42.7				
DATE 05-08-75		1250	42.1	51.9	56.8	58.6	59.9	60.3	61.8	63.9	64.4	65.3	62.5	55.0	48.8	39.7				
RLN DBTF-MODEL 3		1600	37.6	49.7	55.5	57.1	58.0	58.9	60.2	61.3	61.8	62.4	59.2	51.7	45.6	35.4				
TAPE X30510		2000	32.1	46.3	51.4	53.6	55.4	55.7	57.3	58.8	59.3	58.8	54.8	48.0	40.9	28.7				
FAK TIP SPEED		2500	25.3	41.5	46.1	49.2	50.5	50.9	53.0	55.0	55.7	53.9	49.8	41.9	34.8	20.7				
FT/SEC		3150	15.8	34.6	40.4	43.8	44.4	45.2	47.2	49.4	49.6	48.3	42.2	34.8	27.1	9.6				
6300		4000	2.0	22.7	30.4	34.7	35.2	37.5	39.8	41.3	40.9	39.7	33.0	25.4	15.3					
8000		5000		15.7	23.1	28.5	29.5	30.5	33.2	34.4	34.0	32.9	26.8	20.2	8.9					
10000					9.5	15.0	19.2	20.6	23.0	23.3	21.9	21.8	16.1	9.5						
OVERALL CALCULATED							1.7	8.1	10.4	10.4	5.7	8.1	1.1							
750																				
PNDB			68.0	70.7	73.5	74.7	76.4	77.2	79.3	81.2	82.7	84.5	85.3	86.8	85.6	81.2				
			67.0	72.9	76.7	78.6	80.0	80.9	82.7	84.6	86.0	87.2	87.1	85.6	81.6	77.2				

MODEL 4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89. DEG. F, 70 PERCENT REL. HUM,

SPL INPUT AT STD REV: ALPHA 12/73	ANGLES FROM INLET IN DEGREES (AND RADIAN)																PWL
	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	
	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	
RDG. NO. 0,	50	77.2	74.2	80.1	77.4	79.7	79.0	81.1	82.1	83.1	84.3	83.8	89.0	92.5	91.9	143.8	
RADIAL 320, FY,	63	75.3	76.1	78.3	76.3	77.5	78.6	82.2	81.5	83.2	83.7	85.2	91.4	92.1	91.6	144.1	
(98, Y)	80	76.6	77.9	79.4	78.2	79.4	79.2	81.6	82.4	83.7	83.7	85.9	89.3	91.4	92.8	144.0	
VEHICLE JENOTS	100	77.5	78.7	79.1	79.0	79.8	79.5	80.7	82.6	84.0	86.3	88.0	89.5	90.2	92.5	144.3	
CONFIG JE#050	125	78.1	77.4	79.3	78.6	80.5	81.4	82.2	83.3	83.9	86.6	87.0	89.2	89.3	87.4	143.6	
LOC EVENDALE	160	77.5	77.9	79.6	78.8	80.0	80.2	82.4	83.4	83.2	85.9	86.8	88.5	87.7	84.4	142.9	
DATE 05-08-75	200	76.5	78.7	78.4	78.7	79.8	80.7	81.5	82.7	83.1	85.0	86.6	87.7	84.9	81.7	142.2	
RUN DBTF-MODEL 4	250	78.3	77.6	78.0	79.4	80.5	80.3	81.5	82.3	83.0	83.9	85.7	86.5	83.3	79.8	141.5	
TAPE X40010	315	77.5	78.5	78.7	77.4	78.6	79.7	80.7	82.1	83.3	84.1	84.5	84.9	81.4	78.5	140.9	
BAR 29.5 HG	400	76.8	78.9	79.3	80.0	80.6	81.3	82.0	83.1	82.8	84.9	85.2	84.4	80.6	77.9	141.5	
(99448, N/M2)	500	75.4	78.5	78.5	79.6	80.4	82.1	83.1	84.2	84.3	85.2	84.6	82.3	78.8	76.8	141.7	
TAMB 61, DEG F	630	74.7	77.0	77.9	78.3	79.3	80.6	81.5	82.5	82.8	84.0	83.7	81.6	78.0	76.3	140.5	
(289, DEG K)	800	74.1	77.4	78.8	79.2	78.7	79.3	79.5	81.2	81.4	82.5	81.9	80.2	77.6	75.4	139.4	
THET 52, DEG F	1000	74.9	80.7	82.0	80.2	79.2	79.5	78.4	80.9	81.2	82.6	81.6	79.4	78.1	77.3	139.9	
(284, DEG K)	1250	73.6	78.0	79.5	79.4	79.6	78.5	78.1	80.1	81.0	83.0	81.2	78.1	77.0	76.4	139.4	
HACT 0, GH/M3	1600	72.5	77.6	80.7	79.9	79.5	78.3	77.6	78.9	79.9	82.2	81.6	78.3	76.8	76.2	139.3	
1, KG/M3)	2000	71.4	76.9	78.4	77.5	77.6	75.9	75.8	77.3	78.0	80.4	80.8	76.9	75.9	74.2	137.8	
FREQ: SHIFT	2500	68.3	75.6	75.5	75.3	74.8	72.8	72.9	74.4	76.0	77.5	77.7	74.0	73.8	72.3	135.4	
JET 9	3150	65.8	73.5	74.5	73.8	71.6	69.8	69.5	71.2	72.7	75.0	74.0	72.2	72.0	70.5	133.4	
DIAMETER RATIO	4000	61.7	70.5	70.8	69.5	67.6	66.9	66.4	67.9	69.0	72.0	70.9	68.5	69.6	66.7	130.7	
DF/DM 8.00	5000	59.5	67.5	68.2	66.8	65.1	64.9	62.3	64.0	65.8	68.4	66.3	65.7	65.9	64.2	127.7	
OVERALL SCALED	6300	57.6	63.8	64.3	63.4	61.6	58.6	59.6	60.8	61.3	68.7	64.0	66.4	65.8	64.1	127.0	
PND8	8000	57.6	60.3	61.0	60.4	60.0	56.7	58.5	59.0	57.7	70.9	64.5	68.2	67.1	64.9	129.1	
	10000	58.5	57.6	57.9	57.6	60.6	58.2	59.8	59.2	56.1	72.9	66.2	70.2	69.2	67.4	133.3	
		88.5	90.6	91.9	91.4	92.0	92.3	93.3	94.5	95.1	96.7	97.3	98.9	99.3	99.1	154.5	
		95.8	100.3	101.4	100.8	100.8	100.1	100.4	101.7	102.5	104.9	104.7	103.5	102.5	101.8		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL HUM, DAY)

SPL INPUT AT STR		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			REL HUM, DAY		
REV.	ALPHA 12/73	FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,				
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)				
	NO EGA	30	53,3	52,6	60,0	58,5	61,4	61,2	63,4	64,3	64,8	65,4	63,7	67,4	68,6	64,6							
	SIDELINE 24000 FT;	63	51,4	54,4	58,2	57,3	59,2	60,8	64,5	63,6	64,9	64,7	65,1	69,7	68,1	64,1							
	(731.52 M)	80	52,5	56,2	59,3	59,2	61,2	61,4	63,9	64,5	65,4	64,7	65,8	67,6	67,4	65,2							
	NFA 0, RPM	100	53,3	56,8	58,9	59,9	61,4	61,6	62,9	64,7	65,7	67,1	67,7	67,7	66,0	64,7							
	(0, RAD/SEC)	125	53,7	55,4	58,9	59,5	62,1	63,4	64,3	65,3	65,4	67,4	66,6	67,2	65,0	59,4							
	NFK 0, RPM	160	52,9	55,8	59,1	59,5	61,4	62,0	64,4	65,3	64,6	66,6	66,4	66,3	63,1	56,1							
	(0, RAD/SEC)	200	51,7	56,4	57,8	59,3	61,1	62,5	63,4	64,5	64,4	65,5	65,9	65,4	60,0	53,0							
	NFD 0, RPM	250	53,2	55,0	57,2	59,8	61,6	62,0	63,3	63,9	64,1	64,2	64,8	63,9	58,2	50,5							
	(0, RAD/SEC)	315	52,0	55,6	57,6	57,6	59,5	61,1	62,2	63,5	64,2	64,2	63,4	62,0	55,8	48,6							
	AIR FLOW RATIO	400	50,7	55,6	57,8	59,8	61,3	62,5	63,3	64,3	63,5	64,7	63,7	61,1	54,5	47,2							
	BF/WK 8.00	500	48,7	54,6	56,6	59,1	60,7	62,9	64,1	65,0	64,7	64,6	62,7	58,5	52,1	45,1							
	VEHICLE JENOTS	630	47,1	52,6	55,5	57,4	59,2	61,0	62,1	63,0	62,7	63,0	61,3	57,2	50,4	43,4							
	CONFIG JE#090	800	45,3	52,0	55,7	57,5	58,0	59,2	59,5	61,1	60,7	60,9	58,8	54,9	48,9	40,7							
	LOC EVENDALE	1000	44,8	54,3	58,0	57,8	57,9	58,8	57,8	60,1	59,8	60,2	57,6	53,0	47,9	40,6							
	DATE 05-08-75	1250	41,8	50,4	54,5	56,1	57,4	56,9	56,7	58,6	58,8	59,7	56,2	50,4	45,2	37,2							
	RUN DBTF-MODEL 4	1600	38,3	48,1	54,2	55,3	56,2	58,6	55,1	56,3	56,5	57,6	55,1	48,8	42,6	33,4							
	TAPE X40010	2000	34,2	45,2	50,1	51,3	52,8	51,8	52,0	53,2	53,2	54,3	52,5	45,2	38,8	27,1							
	FAN TIP SPEED	2500	27,0	40,7	44,5	46,8	47,9	46,7	47,1	48,4	49,1	49,1	46,7	39,1	32,4	18,9							
	FT/SEC	3150	17,7	33,4	39,2	41,7	41,3	40,6	40,6	42,0	42,5	42,9	38,8	32,1	24,0	7,0							
		4000	3,6	22,8	29,3	31,8	32,3	32,9	32,9	33,9	33,7	34,3	29,3	20,8	11,4								
		5000		15,3	23,0	25,9	26,9	25,1	26,0	27,2	27,6	27,5	21,1	13,6	1,9								
		6300			8,3	13,1	14,8	13,7	15,3	15,9	14,5	18,4	7,9	1,1									
		8000					0,0		1,9	1,7		6,2											
	OVERALL CALCULATED	10000																					
	PNDB		63,1	66,7	69,9	70,6	72,4	73,3	74,7	75,6	75,8	76,6	76,2	76,7	74,9	71,3							
			64,2	70,5	74,4	75,7	77,0	77,7	78,7	79,8	79,7	80,3	79,0	76,5	71,7	66,2							

SPL INPUT AT STD REV: ALPHA 12273	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	0,	0,	0,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(0,	(0,	(0,
NO EGA	30	78.2	76.5	81.6	79.2	81.2	81.0	82.1	83.6	85.3	87.8	86.5	92.0	95.5	93.6					146.4
RCG, NO, 0,	63	77.3	78.6	80.6	79.0	80.2	81.4	84.0	84.7	86.2	87.4	89.2	94.6	95.1	93.8					147.2
RADIAL 320, F7,	80	78.1	79.9	81.2	79.4	81.4	81.5	84.1	85.6	86.7	86.4	89.2	92.8	93.4	93.3					146.4
(98, 4)	100	79.5	81.2	80.6	81.5	82.0	82.0	83.9	86.1	87.0	89.8	91.5	93.0	92.2	93.5					147.0
VEHICLE JENOTS	125	80.6	79.4	81.8	81.9	83.3	83.7	85.2	86.1	87.1	89.8	90.0	92.4	90.8	87.9					146.3
CONFIG JENOTS	160	80.0	80.7	82.4	82.0	83.0	83.2	85.2	86.4	86.7	88.9	90.8	91.5	89.7	85.9					146.0
LOC EVENDALE	200	79.5	82.0	82.7	82.5	83.1	84.7	85.5	87.0	87.1	88.7	89.8	90.7	87.6	84.2					145.7
DATE 05-08-75	250	81.8	81.6	81.8	83.7	84.7	85.3	85.8	86.8	87.7	88.9	89.7	90.0	86.1	83.3					145.8
RUN CRTF-MODEL 4	315	81.0	82.5	82.5	83.8	84.7	85.3	86.2	87.9	88.3	89.6	89.0	88.9	84.9	82.7					145.8
TAPE X40030	400	80.6	83.4	83.8	84.7	85.3	86.1	87.0	88.6	88.6	90.6	89.2	88.1	85.3	83.4					146.5
BAR 29.5 HG	500	80.4	84.2	84.5	85.6	87.2	88.1	89.1	90.5	90.8	91.7	89.1	87.3	84.3	82.5					147.7
(99448, N/Y2)	630	80.5	84.0	85.1	86.1	87.3	88.6	89.3	90.0	91.1	92.8	89.2	86.9	84.3	82.6					148.1
TAMB 65: DEG F	800	79.3	83.4	84.6	85.4	86.7	87.8	88.2	89.4	89.9	91.7	88.4	86.3	83.4	81.2					147.3
(291, DEG K)	1000	78.7	82.7	84.7	84.4	85.7	86.0	86.4	88.9	89.4	90.3	87.4	84.9	82.8	81.8					146.4
TKET 54: DEG F	1250	77.6	82.6	84.6	85.4	85.3	85.2	86.1	88.4	90.0	90.3	85.8	83.1	81.8	81.4					146.3
(285, DEG K)	1600	77.3	83.9	86.0	85.4	85.6	84.8	85.1	87.7	88.9	89.8	85.4	82.9	81.8	81.0					146.0
HACT 0, GM/M3	2000	76.2	83.5	84.5	84.3	84.4	83.5	83.8	86.3	88.1	88.2	84.9	82.2	81.2	80.5					145.1
(1, KG/M3)	2500	75.1	82.6	83.3	83.4	82.1	80.6	81.7	84.2	86.1	86.1	82.8	80.8	81.1	79.9					143.6
FREQ. SHIFT	3150	72.3	81.0	81.8	81.6	79.9	78.2	79.3	81.8	83.6	83.4	79.8	79.0	79.3	78.5					141.8
JET 9	4000	68.3	77.1	77.9	78.3	75.9	75.5	76.8	79.2	79.4	80.1	77.7	75.8	76.6	75.0					138.2
DIAMETER RATIO	5000	65.3	73.8	75.0	75.3	73.9	71.7	73.4	75.3	76.2	76.0	73.2	72.1	73.0	71.8					136.2
DE/DM 8.00	6300	61.7	69.2	71.2	71.2	70.4	68.7	70.2	71.9	72.2	73.6	69.3	70.0	69.9	68.0					134.0
OVERALL CALCULATED	8000	59.5	64.7	66.1	67.0	68.8	66.3	68.1	69.4	69.4	73.5	66.8	68.8	68.2	66.5					133.7
PNBB	10000	59.3	59.6	60.7	61.7	69.2	67.3	69.1	69.5	66.2	74.7	66.8	70.3	69.3	67.5					136.5
		91.9	95.1	96.2	96.5	97.2	97.6	98.6	100.2	101.1	102.4	101.3	102.5	102.0	100.9					159.2
		100.5	106.1	107.1	107.2	107.2	106.7	107.6	109.6	110.8	111.6	109.1	108.3	107.5	106.1					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV: ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	180.	200.	225.	270.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.3)	(3.5)	(3.9)
NO EGA	50	54.3	54.9	61.5	60.2	62.9	63.2	64.4	65.8	67.1	68.9	66.5	70.4	71.6	66.3				
SIDELINE 2400 FT.	63	53.4	56.9	60.5	60.0	62.0	63.5	66.3	66.9	67.9	68.5	69.1	73.0	71.1	66.4				
(731.52 M)	80	54.0	58.2	61.1	60.4	63.2	63.6	66.4	67.7	68.4	67.4	69.1	71.1	69.4	65.7				
NFA 0. RPM	100	55.3	59.3	60.4	62.4	63.6	64.1	66.1	68.2	68.7	70.6	71.2	71.2	68.0	65.7				
(0. RAD/SEC)	125	56.2	57.4	61.4	62.7	64.8	65.7	67.3	68.1	68.7	70.6	69.6	70.4	66.5	59.9				
NFK 0. RPM	160	55.4	58.5	61.9	62.7	64.4	65.0	67.2	68.3	68.1	69.6	70.4	69.3	63.1	57.6				
(0. RAD/SEC)	200	54.7	59.6	62.0	63.0	64.4	66.5	67.4	68.7	68.4	69.3	69.2	68.4	62.8	55.5				
NFD 0. RPM	250	56.7	59.0	60.9	64.0	65.9	67.0	67.5	68.4	68.9	69.2	68.8	67.4	61.0	54.0				
(0. RAD/SEC)	315	55.5	59.7	61.4	62.6	64.8	66.1	67.7	69.3	69.2	69.7	67.9	66.0	59.3	52.9				
AIRFLOW RATIO	400	54.4	60.1	62.3	64.5	66.0	67.2	68.3	69.8	69.2	70.4	67.7	64.8	59.2	52.7				
WF/W 8.00	500	53.7	60.4	62.6	65.1	67.5	68.9	70.1	71.3	71.2	71.2	67.2	63.5	57.6	50.9				
	630	52.9	59.6	62.7	65.1	67.2	69.0	69.9	70.5	71.0	71.8	66.8	62.4	56.6	49.7				
	800	50.6	58.1	61.5	63.8	66.0	67.7	68.3	69.3	69.2	70.1	65.3	60.9	54.6	46.5				
VEHICLE JENOTS	1000	48.6	56.4	60.8	62.1	64.4	65.3	65.9	68.1	68.1	68.0	63.4	58.6	52.7	45.2				
CONFIG JE-060	1250	45.8	54.9	59.6	62.1	63.2	63.7	64.8	66.9	67.8	67.0	60.7	55.5	50.0	42.2				
LOC EVENDALE	1600	43.1	54.4	59.4	60.8	62.2	62.1	62.7	65.0	65.5	65.2	58.9	53.4	47.6	38.1				
DATE 05-08-75	2000	39.0	51.8	56.1	58.1	59.6	59.4	60.0	62.3	63.3	62.1	56.5	50.5	44.1	33.4				
RUN DBTF-MODEL 4	2500	33.8	47.7	52.3	54.9	55.2	54.6	55.9	58.2	59.2	57.6	51.8	45.9	39.8	26.4				
TARE X40030	3150	24.3	41.0	46.6	49.5	49.6	48.9	50.4	52.6	53.3	51.2	44.6	38.9	31.3	15.0				
FAN TIP SPEED	4000	10.1	29.4	36.3	40.7	40.6	41.5	43.2	45.2	44.1	42.4	36.2	28.1	18.5					
FT/SEC	5000	1.3	21.6	29.8	34.4	35.7	34.9	37.1	38.6	37.9	35.1	27.9	19.9	9.0					
	6300		3.9	15.1	20.9	23.6	23.8	25.9	27.0	25.4	23.2	13.3	4.7						
	8000				2.3	8.9	9.0	11.5	12.0	9.4	8.8								
	10000																		
OVERALL CALCULATED		65.9	70.5	73.5	75.1	77.0	78.1	79.4	80.7	80.9	81.6	80.0	80.1	77.5	72.8				
PND		68.3	73.4	79.6	81.4	83.0	83.8	85.0	86.5	86.8	86.9	83.4	80.8	75.3	69.0				

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHLI		
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.		
REV, ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)		
NO EGA	50	81.4	79.2	83.1	82.4	84.4	84.2	86.1	87.8	89.3	92.1	91.0	96.8	99.5	96.6				150.4	
RDG, NO. 0.	63	81.6	82.3	84.1	83.3	84.2	85.4	88.5	89.2	90.4	91.4	94.0	99.1	98.8	96.3				151.2	
RADIAL 320, FY,	80	82.1	83.9	84.4	83.2	85.2	85.2	88.3	89.9	91.7	91.9	94.7	97.6	97.9	95.0				150.9	
(98. Y)	100	83.0	84.4	84.9	85.0	86.3	86.3	88.4	90.6	92.0	94.5	96.0	97.3	96.7	95.2				151.3	
VEHICLE JENOTS	125	84.3	83.9	86.0	85.4	87.0	87.7	89.2	90.8	92.4	94.8	95.7	96.2	94.3	91.4				150.8	
PCNFIG JE-050	160	84.2	84.7	85.9	86.3	86.7	87.7	90.2	91.4	91.9	94.6	96.8	96.2	92.9	89.4				151.0	
LCC EVENDALE	200	83.5	85.7	85.4	86.2	87.3	88.7	90.0	91.5	92.3	94.5	95.3	95.0	92.1	88.7				150.5	
DATE 05-08-75	250	85.1	85.3	85.3	87.4	88.7	89.3	90.5	91.8	93.5	94.6	95.2	95.0	91.6	89.3				150.8	
RUN CBTF-MODEL 4	315	84.8	86.5	86.5	86.2	88.1	89.4	90.7	92.4	94.3	95.3	94.2	94.2	90.9	88.0				150.9	
TAPE X40050	400	84.6	87.4	87.0	88.5	89.6	90.3	91.8	93.4	94.6	96.9	94.9	94.1	91.6	88.4				151.8	
BAR 29.5 HG	500	84.7	87.2	87.7	88.8	91.2	92.3	93.9	95.5	96.3	97.4	94.3	93.1	90.8	88.5				152.8	
(99448, N/M2)	630	85.8	88.3	88.9	90.4	92.8	93.3	94.8	96.0	97.8	98.3	94.2	93.4	90.5	88.9				153.7	
TAMB 65, DEG F	800	85.6	88.6	89.3	91.2	93.0	93.3	94.2	96.2	97.6	98.5	93.9	92.8	90.4	88.4				153.8	
(291, DEG K)	1000	84.9	88.0	89.5	90.7	92.5	93.0	93.7	96.1	97.7	97.8	93.4	91.7	89.8	87.6				153.5	
THET 54, DEG F	1250	84.6	88.8	89.3	90.6	91.8	92.7	93.6	96.4	97.8	96.8	92.8	90.6	89.6	88.7				153.4	
(285, DEG K)	1600	84.6	89.9	91.5	90.9	91.6	91.8	93.1	95.5	96.4	95.5	91.7	90.1	90.6	89.7				152.9	
HACT 0, GM/M3	2000	82.9	89.0	91.2	90.0	90.4	90.7	92.1	94.3	94.8	93.5	89.6	88.7	88.7	87.0				151.7	
(, KG/M3)	2500	79.8	85.6	86.8	87.4	87.1	88.1	89.7	92.0	92.6	91.1	88.0	85.5	85.1	83.1				149.4	
FREQ, SHIFT	3150	78.1	83.3	85.0	85.6	85.6	86.9	88.0	89.3	89.8	88.1	84.3	83.0	82.8	81.3				147.6	
JET 9	4000	75.3	79.6	81.6	82.3	83.2	84.7	85.8	86.7	86.4	85.3	82.2	80.1	79.4	77.5				145.5	
DIAMETER RATIO	5000	72.1	77.0	79.0	80.1	80.4	81.2	82.4	83.8	83.2	82.7	78.9	76.8	77.0	74.8				142.9	
DF/DM 8.00	6300	68.5	73.4	75.4	76.0	76.6	77.4	79.0	80.6	80.2	81.1	76.6	75.8	74.9	73.5				141.1	
OVERALL SCALED	8000	64.2	69.7	71.3	72.5	72.3	72.8	74.6	76.9	76.6	81.5	75.6	75.8	75.7	74.0				140.7	
PNDP	10000	59.0	66.1	67.2	68.4	69.2	69.5	71.6	73.3	71.7	83.5	76.5	77.0	77.8	75.5				143.3	
		106.0	110.3	111.9	111.1	112.7	113.3	114.7	116.6	117.4	117.4	114.6	113.8	113.0	113.2				164.7	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
REV. ALPHA 12/73		FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)
NO EGA		50	57.6	57.6	63.0	63.5	66.2	66.4	68.4	70.0	71.1	73.1	71.0	75.2	75.6	69.3		
SIDELINE 2400. FT.		63	57.6	60.7	64.0	64.3	66.0	67.5	70.8	71.4	72.2	72.5	73.9	77.5	74.9	68.9		
{731.52 M}		80	58.0	62.2	64.3	64.2	66.9	67.4	70.6	72.0	73.4	72.9	74.6	75.8	73.9	67.5		
NFA		100	58.8	62.6	64.7	65.9	67.9	68.3	70.6	72.7	73.7	75.4	75.7	75.4	72.5	67.4		
0. RPM		125	60.0	61.9	65.7	66.2	68.6	69.7	71.3	72.8	73.9	75.6	75.4	74.2	70.0	63.4		
{ 0. RAD/SEC}		150	59.7	62.5	65.4	67.0	68.2	69.5	72.2	73.3	73.4	75.3	75.4	74.1	68.4	61.1		
NFK		200	58.7	63.4	64.8	66.8	68.6	70.5	71.9	73.2	73.6	75.0	74.7	72.6	67.3	60.0		
{ 0. RAD/SEC}		250	60.0	62.8	64.4	67.8	69.9	71.0	72.3	73.4	74.6	75.0	74.3	72.4	66.5	60.0		
NFD		315	59.2	63.7	65.4	66.3	69.0	70.8	72.2	73.8	75.2	75.5	73.1	71.3	65.3	58.4		
{ 0. RAD/SEC}		400	58.4	64.1	65.6	68.3	70.3	71.5	73.1	74.5	75.2	76.7	73.5	70.8	65.5	57.7		
AIRFLOW RATIO		500	57.9	63.4	65.9	68.3	71.5	73.2	74.9	76.3	76.7	76.9	72.5	69.3	64.1	56.9		
WF/W 8.00		630	58.1	63.8	66.5	69.4	72.7	73.8	75.4	76.5	77.8	77.3	71.8	68.9	62.9	55.9		
		800	56.8	63.3	66.2	69.6	72.3	73.2	74.3	76.1	77.0	76.9	70.8	67.4	61.6	53.8		
VEHICLE JENOTS		1000	54.8	61.6	65.5	68.3	71.1	72.3	73.1	75.4	76.4	75.5	69.4	65.3	59.7	50.9		
CONFIG JENOTS		1250	52.8	61.2	64.3	67.4	69.7	71.2	72.3	74.9	75.6	73.5	67.7	63.0	57.8	49.5		
LCC EVENDALE		1600	50.4	60.4	64.9	66.3	68.2	69.1	70.7	72.8	73.0	70.9	65.1	60.6	56.3	46.9		
DATE 05-08-75		2000	45.8	57.3	62.9	63.8	65.6	66.6	68.3	70.3	70.0	67.3	61.3	57.0	51.6	39.9		
RUN DBTF-MODEL 4		2500	38.5	50.7	55.8	58.9	60.2	62.1	63.9	66.0	65.7	62.6	57.0	50.6	43.8	29.7		
TAPE X40050		3150	30.0	43.3	49.8	53.5	55.4	57.7	59.2	60.1	59.5	55.9	49.1	42.9	34.8	17.8		
FAN TIP SPEED		4000	17.1	31.9	40.1	44.7	47.9	50.7	52.2	52.7	51.1	47.6	40.7	32.4	21.2			
FT/SEC		5000	8.1	24.9	33.8	39.2	42.2	44.4	46.1	47.1	44.9	41.8	33.7	24.7	13.0			
		6300		8.1	19.4	25.7	29.8	32.5	34.7	35.8	33.4	30.7	20.5	10.5				
		8000				7.8	12.4	15.5	18.0	19.5	16.6	16.8	3.0					
OVERALL CALCULATED		10000	70.1	74.6	77.4	79.4	81.8	83.0	84.7	86.2	87.1	87.3	85.4	84.8	81.8	75.5		
PNDB			73.2	80.3	84.3	86.3	88.5	89.8	91.4	93.2	93.7	92.8	89.2	86.6	81.3	73.1		

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)		
SPL INPUT AT STD																				
REV. ALPHA 12/73	FREQ.	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
NO EGA		89.4	86.6	87.1	87.5	88.8	87.0	86.5	87.6	87.3	86.8	86.6	87.5	84.5	84.3	83.7	83.7	82.4	81.4	80.6
REG. NO. 0		75.7	77.3	78.7	79.9	77.4	77.7	79.2	77.8	78.5	79.1	79.7	87.5	78.1	79.6	79.1	79.2	77.4	76.8	76.4
RADIAL 320. FT.		80.1	79.3	79.4	79.1	79.5	79.0	79.0	79.4	79.0	79.5	79.7	80.8	79.1	79.6	79.1	79.2	77.4	76.8	76.4
(98. M)		79.9	77.0	77.7	79.0	81.3	81.2	82.9	83.6	85.4	87.8	89.5	91.4	91.1	90.2					
VEHICLE JENOTS		81.4	78.7	79.7	79.5	81.2	80.7	83.2	83.9	85.2	87.1	89.3	91.2	89.7	86.7					
CONFIG JE#060		81.0	81.5	81.6	81.2	81.2	81.2	82.5	83.5	84.3	86.7	88.8	89.7	87.1	83.2					
LCC EVENDALB		82.8	82.7	83.1	84.1	85.2	86.2	86.7	87.7	88.5	89.5	89.7	88.5	84.8	81.8					
DATE 35-08-75		85.2	85.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2					
RUN DBTF-MODEL 4		88.6	88.0	88.7	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6					
TAPE X40060		91.0	92.8	92.8	93.2	94.7														
BAR 29.4 HG		91.0	91.4	91.4	91.1	90.2														
(99144, N/M2)		89.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3					
TAMB 641 DEG F		85.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7					
(291, DEG K)		87.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8					
THWT 55, DEG F		84.5	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3					
(286, DEG K)		83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0					
HACT 0, GM/H3		81.0	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8					
(1, KG/M3)		80.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5					
FREQ. SHIFT		79.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4					
JET 9		77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9					
DIAMETER RATIO		76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8					
DF/DH 8.00		74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4					
		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1					
OVERALL CALCULATED		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7					
PNDB		67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0					
		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7					
		62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5					
		60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2					
		58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0					
		55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8					
		53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6					
		51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4					
		49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2					
		47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0					
		44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8					
		42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6					
		40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4					
		38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2					
		36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0					
		33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8					
		31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6					
		29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4					
		27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2					
		25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0					
		22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8					
		20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6					
		18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4					
		16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2					
		14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0					
		11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8					
		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6					
		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4					
		5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2					
		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	190,	200,
REV. ALPHA 12/73	FREQ, (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)
NO EGA	50	55.6	54.1	60.0	61.0	63.2	65.2	67.0	68.1	69.6	67.2	71.7	73.1	68.8				
SIDELINE 2430. FT,	63	62.6	55.7	59.2	58.0	60.5	61.5	63.8	64.9	66.9	67.0	67.9	72.7	71.9	67.1			
(731.52 M)	80	63.0	57.0	59.3	58.7	61.4	60.9	63.9	65.2	66.9	67.2	68.6	71.1	70.6	68.2			
NFA C, RPM	100	63.3	58.1	58.9	59.9	61.1	61.8	63.4	66.2	67.4	69.6	70.7	70.9	69.0	66.9			
(C, RAD/SEC)	125	64.5	55.4	59.2	59.7	61.8	63.2	65.0	65.6	66.9	68.6	69.1	69.4	66.8	62.1			
NFK C, RPM	160	62.4	55.5	58.1	59.7	61.2	62.5	65.2	65.8	66.6	67.8	68.9	70.1	65.1	58.3			
(C, RAD/SEC)	200	61.7	56.9	58.0	59.5	61.1	63.0	64.4	65.2	65.6	67.3	68.2	67.4	62.3	54.5			
NFD C, RPM	250	62.4	55.2	57.2	59.8	61.6	62.5	63.5	64.7	65.6	66.0	66.8	65.9	59.7	52.5			
(C, RAD/SEC)	315	61.7	55.6	57.9	57.6	60.0	61.6	62.7	64.5	65.7	65.9	65.1	64.0	57.1	49.9			
AIRFLOW RATIO	400	60.7	55.8	58.1	59.5	61.2	62.5	64.3	65.3	65.2	66.4	65.2	62.5	55.7	52.2			
WF/WB 8.00	500	59.9	55.6	57.9	60.3	61.7	64.4	65.3	66.5	65.9	66.4	63.7	59.7	53.0	47.3			
	630	59.8	54.3	57.2	58.1	60.7	62.5	64.1	65.7	65.2	65.7	62.8	58.6	51.8	46.1			
	800	55.7	52.7	55.6	57.5	59.2	60.1	61.2	62.3	62.4	63.7	60.3	56.1	48.8	41.7			
VEHICLE JENOTS	1000	54.2	53.2	56.7	57.2	57.8	58.7	58.5	60.3	60.5	61.4	58.3	53.7	47.8	41.3			
CONFIG JE#060	1250	51.9	51.5	55.1	57.4	58.2	57.5	57.1	58.9	59.9	61.1	56.3	51.5	46.1	38.3			
LOC EVENDALE	1600	48.1	48.9	54.0	55.4	56.7	55.2	55.9	57.1	57.3	57.7	54.2	48.9	43.1	34.4			
DATE 05-08-75	2000	44.3	45.8	50.6	52.3	53.6	52.6	53.0	54.0	54.5	55.3	52.0	46.0	39.6	28.4			
RUN DBTF-MODEL 4	2500	37.0	41.0	45.8	48.4	49.0	47.5	48.7	49.9	50.9	50.9	47.5	40.6	33.7	20.4			
TARE X40060	3150	28.3	34.5	40.0	43.0	42.9	42.2	42.9	44.1	45.0	44.4	40.6	33.4	26.0	9.3			
FAN TIP SPEED	4000	14.1	23.1	30.1	33.7	34.4	33.7	35.2	36.5	35.8	35.9	31.2	23.9	14.0				
FT/SEC	5000	5.9	16.4	23.6	27.7	28.7	27.5	29.2	29.3	29.2	29.1	25.2	18.7	7.8				
	6300		0.2	10.2	14.8	17.9	18.4	21.0	19.8	17.4	19.3	15.4	8.1					
	8000					5.8	7.9	10.5	9.2	4.3	6.9	1.4						
	10000																	
OVERALL CALCULATED		73.6	67.3	70.0	71.0	72.9	73.9	75.5	76.8	77.6	78.7	78.5	79.7	78.3	74.4			
PNDB		75.1	70.9	74.6	76.2	77.7	78.6	79.8	81.1	81.3	82.1	80.6	79.0	74.1	68.9			

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL																ANGLES FROM INLET IN DEGREES (AND RADIANS)			PHL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	0,	0,	0,			
SPL INPUT AT STD		REV, ALPHA 12/73	FREQ,	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)			
NO EGA			50	79.9	77.5	81.1	80.4	82.9	84.1	86.1	88.3	90.3	89.3	95.3	98.7	97.4							149.4
RCG, NO. 0.			63	79.8	80.3	82.1	80.5	81.5	82.9	85.0	86.7	88.4	89.7	91.5	97.1	98.8	96.3						149.9
RADIAL 320, FY,			80	80.6	81.2	82.2	80.4	81.9	82.5	85.1	86.9	88.2	88.9	91.7	95.6	97.4	95.8						149.0
(98, M)			100	80.2	82.9	81.9	82.3	83.5	83.3	84.9	88.4	88.8	91.8	93.7	95.0	97.2	95.0						149.1
VEHICLE JENOTS			125	81.1	80.4	82.0	82.2	83.8	84.9	85.9	87.3	89.1	91.6	92.2	93.4	92.1	90.2						147.8
CONFIG JE*090			160	81.0	81.2	83.1	82.8	84.0	83.9	86.2	87.2	88.4	90.6	92.8	93.7	90.7	87.2						147.6
LCC EVENDALE			200	79.5	83.0	83.2	82.7	84.1	83.5	87.3	88.2	88.6	90.0	91.8	91.7	89.1	85.5						147.1
DATE 05-08-75			250	81.3	81.6	81.8	84.2	85.2	86.6	86.8	88.6	89.2	90.1	91.4	91.0	87.9	84.8						147.1
RUN DBTF-MODEL 4			315	81.3	83.1	83.0	83.2	85.1	85.7	87.7	88.9	90.1	90.8	90.5	90.2	86.4	84.3						147.1
TAPE X40080			400	80.3	83.4	84.3	85.0	86.6	87.1	88.8	89.9	90.1	92.4	91.0	89.4	86.9	86.2						147.9
BAR 29.3 HG			500	80.7	85.0	85.0	86.4	88.2	89.6	90.7	91.8	92.4	93.5	89.9	88.6	86.1	84.6						149.2
(99111, N/42)			630	80.8	84.8	85.7	87.2	88.8	90.4	91.6	92.3	93.4	95.1	90.0	88.4	85.6	84.2						150.0
TAMB 69, DEG F			800	79.1	84.2	84.9	87.0	88.3	89.9	90.3	91.3	92.4	94.6	89.3	87.6	84.7	83.2						149.3
(294, DEG K)			1000	78.3	83.8	85.3	86.1	87.8	88.1	88.5	90.7	91.8	93.4	88.5	86.3	83.9	83.4						148.5
TWET 55, DEG F			1250	77.5	84.2	85.7	86.3	87.0	87.2	87.3	90.6	92.7	92.4	87.7	85.3	83.7	82.8						148.3
(286, DEG K)			1600	77.8	87.1	88.4	87.4	87.5	86.5	87.1	89.9	91.6	92.0	87.1	84.6	83.8	83.4						148.3
HACT 3, GM/M3			2000	76.6	85.9	86.7	86.0	86.4	85.7	86.0	88.8	90.3	90.7	86.4	83.9	84.7	84.3						147.4
1, KG/M3			2500	75.1	84.9	85.3	84.9	84.4	82.6	84.0	86.2	88.9	88.4	84.5	83.0	84.6	83.1						145.8
FREQ, SHIFT			3150	72.6	82.8	84.0	83.2	81.4	81.4	82.1	84.1	86.1	85.9	81.8	81.0	82.1	81.3						144.1
JET 9			4000	68.8	78.3	79.4	79.1	78.2	78.5	79.5	82.2	82.4	83.1	79.7	77.8	78.6	77.3						141.7
DIAMETER RATIO			5000	66.6	75.0	76.3	76.3	75.9	74.9	76.6	78.5	79.9	80.2	76.1	75.0	75.7	74.7						139.1
DE/DM 8.00			6300	65.2	71.4	72.4	72.9	72.3	72.1	73.9	77.1	76.8	79.7	74.7	76.2	76.3	74.1						138.5
OVERALL BAL CHL ATED			8000	66.1	68.5	69.2	70.1	69.2	69.2	71.4	77.2	75.2	80.3	75.1	77.6	77.5	75.4						140.1
PNDB			10000	67.6	66.7	66.3	67.0	68.5	68.4	70.7	78.6	75.5	83.0	76.8	79.8	79.6	77.5						144.3
				121.5	96.4	97.3	97.6	98.7	99.3	100.3	102.0	103.2	104.6	103.2	104.5	105.0	103.4						161.3
				101.1	107.9	108.7	108.6	108.8	108.7	109.7	112.0	113.4	114.3	111.1	110.5	110.5	109.0						

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,
REV: ALPHA 12/73		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,
NO EGA	50	56,1	55,9	61,0	61,5	64,7	64,7	66,4	68,3	70,1	71,4	69,2	73,7	74,9	70,1		
	63	55,9	58,7	62,0	61,5	63,2	65,0	67,3	68,9	70,2	70,7	71,4	75,5	74,9	68,9		
SIDELINE 2400, FT?	80	56,5	59,5	62,1	61,4	63,7	64,6	67,4	69,0	69,9	69,9	71,6	73,8	73,4	68,2		
	(731.52 M)	100	56,0	61,1	61,7	63,1	65,1	65,3	67,1	70,4	70,4	72,6	73,5	73,2	71,0	67,2	
NFA 0, RPM	125	56,7	58,4	61,7	63,0	65,3	66,9	68,0	69,3	70,7	72,4	71,9	71,4	67,8	62,1		
	(0, RAD/SEC)	150	56,4	59,1	62,6	63,5	65,4	65,8	68,2	69,1	69,9	71,3	72,4	71,6	66,1	58,8	
NFK 0, RPM	200	54,7	60,6	62,5	63,3	65,4	67,3	69,2	70,0	69,9	70,5	71,2	69,4	64,3	56,7		
	(0, RAD/SEC)	250	56,2	59,0	61,0	64,5	66,4	68,2	68,5	70,2	70,4	70,5	70,6	68,4	62,7	55,6	
NFD 0, RPM	315	55,8	60,2	61,9	63,4	66,1	67,1	69,3	70,3	71,0	71,0	69,4	67,3	60,9	54,4		
	(0, RAD/SEC)	400	54,2	60,1	62,9	64,8	67,3	68,3	70,1	71,1	70,8	72,2	69,5	66,1	60,7	55,5	
AIRFLOW RATIO	500	54,0	61,2	63,2	65,9	68,5	70,5	71,7	72,6	72,7	72,9	68,0	64,8	59,4	52,9		
	WF/KM 8.00	630	53,2	60,4	63,3	66,2	68,8	70,8	72,2	72,8	73,3	74,1	67,6	64,0	57,9	51,2	
VEHICLE JENOTS	800	50,4	58,9	61,8	65,4	67,6	69,7	70,4	71,2	71,8	72,9	66,2	62,3	56,0	48,6		
	1000	48,2	57,5	61,4	63,7	66,5	67,4	68,0	70,0	70,5	71,1	64,5	59,9	53,8	46,8		
CONFIG JE=060	1250	45,7	56,6	60,7	63,0	64,8	65,6	65,9	69,0	70,5	69,2	62,7	57,6	51,9	43,6		
	1600	43,5	57,6	61,9	62,8	64,1	63,8	64,6	67,2	68,2	67,3	60,6	55,1	49,5	40,6		
LOC EVENDALE	2000	39,5	54,2	58,3	59,8	61,6	61,6	62,2	64,7	65,5	64,5	58,0	52,2	47,5	37,1		
	2500	33,8	50,0	54,3	56,4	57,5	56,6	58,2	60,2	61,9	59,9	53,5	48,1	43,3	29,7		
DATE 05-08-75	3150	24,8	42,8	48,8	51,0	51,1	52,2	53,2	54,8	55,8	53,7	46,6	41,0	34,0	17,8		
	RUN DBTF-MODEL 4	4000	20,6	30,6	37,8	41,4	42,9	44,5	46,0	48,2	47,1	45,4	38,2	30,1	20,5		
TARE = X40080	5000	2,6	22,8	31,0	35,4	37,6	38,2	40,3	41,8	41,7	39,3	30,9	22,9	11,7			
	FAN TIP SPEED	6300		6,1	16,3	22,6	25,5	27,2	29,6	32,2	30,0	29,4	18,7	10,9			
FT/SEC	8000				5,4	9,2	11,8	14,9	19,9	15,2	15,6	2,6					
	10000								3,9								
OVERALL CALCULATED	PNDB	66,6	71,4	74,3	76,0	78,3	79,6	81,0	82,3	83,0	83,7	82,0	82,2	80,6	75,3		
		68,5	77,3	81,1	82,8	84,6	85,6	87,0	88,4	89,2	89,2	85,2	82,5	77,9	71,1		

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PH/LI		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.		
NO EGA	63	83.4	81.7	84.1	83.9	85.7	86.2	87.6	89.6	91.1	94.8	93.8	99.0	103.2	108.4				153.3	
REG, NO, 0	80	83.3	84.1	86.1	84.3	85.7	87.1	89.0	90.2	92.2	93.4	96.0	100.6	101.8	98.6				153.3	
RADIAL 320, FY,	100	84.0	86.7	86.1	86.8	87.8	87.5	89.7	92.1	93.5	96.5	98.0	99.5	98.5	97.7				153.2	
(98, Y)	125	85.3	84.9	87.3	86.4	87.8	88.7	90.4	91.8	93.6	96.6	98.2	97.4	96.1	93.2				152.5	
VEHICLE JENOTS	160	84.7	86.4	87.1	87.3	87.7	88.9	90.7	92.2	93.7	96.4	98.6	98.5	94.2	91.4				152.6	
CONFIG JE*060	200	84.3	87.2	86.7	87.2	88.3	89.7	91.5	92.8	94.1	96.3	97.3	97.0	93.1	90.2				152.2	
LCC EVENDALE	250	86.3	86.3	86.3	88.2	89.5	90.4	91.3	92.8	94.5	96.6	97.2	96.8	93.9	91.0				152.4	
DATE 35-08-75	315	85.3	87.3	87.8	87.2	88.9	89.9	91.7	93.7	95.6	96.6	96.0	95.9	92.9	90.3				152.3	
RUN DBTF-MODEL 4	400	85.3	87.7	88.1	89.0	90.4	90.9	92.8	94.7	95.8	98.1	96.0	95.4	92.9	91.7				153.0	
TAPE X40100	500	84.2	88.3	88.3	89.4	91.5	92.9	93.9	95.8	97.6	99.0	95.9	94.6	92.1	90.3				153.8	
BAR 29.3 HG	630	85.1	88.8	89.2	90.9	92.6	93.9	95.1	96.8	99.4	99.8	96.3	95.2	92.6	90.4				154.9	
(99043, N/M2)	800	84.6	89.2	90.4	92.0	93.8	94.4	95.8	97.5	99.2	99.6	95.5	95.1	93.0	90.0				155.2	
TAMB 69, DEG F	1000	84.8	89.3	90.6	92.1	94.1	94.9	95.8	98.0	99.6	99.4	95.2	93.8	92.2	90.7				155.3	
(294, DEG K)	1250	84.0	90.5	91.5	92.5	93.7	93.7	94.5	98.1	99.7	97.9	94.7	92.5	91.7	91.1				155.0	
THET 55, DEG F	1600	83.0	89.6	91.9	93.6	93.3	92.5	94.3	96.9	98.4	97.5	93.1	91.1	90.5	90.2				154.4	
(286, DEG K)	2000	80.4	87.2	89.4	91.2	91.9	91.9	93.0	95.3	96.1	95.0	90.9	88.4	87.9	86.8				152.6	
HACT 9, GM/M3	2500	78.1	85.6	86.8	88.6	89.1	89.3	91.0	93.0	94.4	92.1	89.3	86.3	85.3	83.6				150.6	
(1, KG/M3)	3150	76.8	84.3	86.3	87.9	87.7	88.9	89.1	90.8	91.3	89.9	86.3	83.7	82.8	81.5				149.1	
FREQ. SHIFT	4000	73.5	80.6	82.6	84.6	85.2	87.2	87.5	88.7	88.1	86.6	83.5	81.3	80.6	77.8				147.3	
JET 9	5000	71.3	77.5	80.0	81.6	82.1	83.2	84.6	85.5	85.6	83.9	80.4	78.0	78.2	76.0				144.7	
DIAMETER RATIO	6300	68.4	73.9	75.6	77.2	77.8	79.9	81.6	82.6	82.3	81.7	78.0	78.4	77.8	74.4				142.9	
DF/DM 8.00	8000	66.6	70.3	71.9	73.4	73.7	77.7	79.4	80.5	79.2	79.6	76.1	78.6	78.3	75.1				142.6	
OVERALL CALCULATED	10000	66.9	67.2	68.5	69.0	71.5	78.6	79.9	79.9	77.0	80.0	76.6	80.8	80.1	76.8				145.4	
PNQB	105.3	110.4	112.0	113.3	114.1	114.7	115.9	117.9	119.0	118.8	116.1	115.2	114.1	112.5					166.3	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39' DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD REV. ALPHA 12/73		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	(0.)
NO EGA		50	59.6	60.1	64.0	65.0	67.4	68.4	69.9	71.8	72.8	75.9	73.7	77.4	79.4	73.1			
SIDELINE 2400 FT		63	59.4	62.4	66.0	65.3	67.5	69.3	71.3	72.4	73.9	74.5	75.9	79.0	77.9	71.1			
(731.92 M)		80	60.3	64.0	66.1	65.7	68.4	68.4	71.4	73.2	74.6	74.7	76.8	77.8	76.9	70.5			
NFA 0 RPM		100	59.8	64.8	65.9	67.6	69.4	69.6	71.9	74.2	75.2	77.4	77.7	77.7	74.3	69.9			
(0 RAD/SEC)		125	61.0	62.9	66.9	67.2	69.3	70.7	72.5	73.8	75.2	77.4	77.9	75.4	71.8	65.1			
NFK 0 RPM		150	60.2	64.3	66.6	68.0	69.2	70.8	72.7	74.1	75.1	77.1	78.1	76.4	69.6	63.1			
(0 RAD/SEC)		200	59.5	64.9	66.0	67.8	69.6	71.5	73.4	74.8	75.4	76.8	76.7	74.6	68.3	61.5			
NFD 0 RPM		250	61.2	63.8	65.5	68.5	70.6	72.0	73.0	74.4	75.6	77.0	76.3	74.2	68.7	61.8			
(0 RAD/SEC)		315	59.8	64.4	66.7	67.4	69.8	71.3	73.3	75.1	76.5	76.7	74.9	73.1	67.4	60.4			
AIRFLOW RATIO		400	59.2	64.4	66.6	68.8	71.0	72.0	74.1	75.8	76.5	78.0	74.5	72.6	66.7	61.0			
WF/MM 8.00		500	57.5	64.4	66.4	68.9	71.8	73.7	74.9	76.6	78.0	78.4	74.0	70.8	65.4	58.7			
		630	57.4	64.4	66.8	69.9	72.5	74.3	75.7	77.3	79.3	78.8	73.9	70.7	64.0	57.5			
		800	55.9	63.9	67.3	70.4	73.1	74.2	75.9	77.4	78.5	77.9	72.4	69.8	64.3	55.3			
VEHICLE JENOTS		1000	54.7	63.0	66.6	69.7	72.7	74.1	74.5	77.2	78.2	77.1	71.3	67.4	62.1	54.0			
CONFIG JE#060		1250	52.2	62.8	66.5	69.3	71.6	72.1	73.2	76.5	77.5	74.7	69.7	64.9	59.9	51.9			
LOC EVENDALE		1600	48.8	60.1	65.4	69.0	69.9	69.8	71.8	74.2	75.0	72.8	66.6	61.6	56.3	47.3			
DATE 3-28-75		2000	43.3	55.5	61.1	65.0	67.1	67.9	69.2	71.2	71.2	68.8	62.5	56.7	50.8	39.6			
RUN DBTF-MODEL 4		2500	36.8	50.7	55.8	60.1	62.2	63.3	65.2	67.0	67.4	63.6	58.3	51.4	44.0	30.2			
TARE X40100		3150	28.8	44.3	51.1	55.7	57.4	59.7	60.2	61.6	61.1	57.7	51.1	43.7	34.8	18.0			
FAN TIP SPEED		4000	15.4	32.9	41.1	46.9	49.9	53.2	54.0	54.7	52.8	48.9	41.9	33.6	22.5				
FT/SEC		5000	7.3	25.3	34.8	40.7	43.9	46.4	48.3	48.8	47.4	43.0	35.2	25.9	14.2				
		6300		8.6	19.6	26.8	31.0	35.0	37.4	37.7	35.5	31.4	22.0	13.2					
		8000				8.6	13.7	20.3	22.9	23.1	19.2	14.8	3.6						
		10000						3.9	6.3	5.1									
OVERALL CALCULATED			70.8	75.7	78.4	80.5	82.8	84.0	85.6	87.4	88.6	88.9	87.3	86.7	84.5	78.2			
PNDR			73.5	80.8	85.0	88.1	89.9	90.8	92.5	94.6	95.4	94.4	90.8	88.4	83.1	75.7			

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, H08, DAY - JENOTS)																PWL		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0		
REV, ALPHA 12/73		FREQ	(0.92)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	PWL
NO EGA	63	50	81.9	78.5	81.8	82.4	84.4	84.0	86.1	88.3	89.6	92.3	92.8	97.8	100.7	99.4				151.5
RDG, NO. 0.	80	63	79.8	80.3	80.8	79.3	80.5	82.1	85.2	85.5	87.2	88.7	91.2	98.1	100.1	97.1				150.4
RADIAL 320, FY,	100	80	79.8	80.4	80.7	79.7	81.2	81.2	84.1	86.1	87.9	88.9	93.2	97.3	98.9	99.0				150.4
(98, 4)	125	80	80.2	80.9	81.1	81.0	82.0	82.0	83.4	86.9	87.8	91.5	93.7	96.5	96.2	97.7				149.6
VEHICLE JENOTS	160	125	80.3	79.6	81.3	80.9	82.0	83.2	84.9	86.1	88.1	91.6	93.2	95.9	94.1	92.4				148.5
CONFIG JE*060	200	160	79.2	79.9	81.1	80.8	82.5	82.2	84.4	85.9	87.7	90.9	93.3	95.0	92.7	88.9				147.8
LOC EVENDALE	290	200	78.8	80.2	80.9	80.5	81.8	83.2	84.5	86.5	87.1	89.7	92.3	93.4	90.1	86.2				146.7
DATE 05-08-75	315	290	79.8	79.3	79.3	81.6	82.2	83.1	84.0	85.6	87.2	88.6	90.9	91.2	87.8	84.3				145.5
RUN CBTF-MODEL 4	400	315	78.5	80.0	80.2	79.2	81.1	81.9	83.4	85.6	86.8	88.3	89.0	89.7	84.6	82.0				144.5
TAPE X40110	500	400	78.3	80.4	81.0	81.0	82.1	82.8	84.3	86.1	86.5	88.9	88.4	87.9	83.6	81.6				144.4
BAR 29.5 HG	630	500	77.7	80.7	81.7	81.6	83.7	84.8	86.1	88.0	87.6	88.9	87.3	85.3	81.8	79.5				144.9
(99448, N/42)	800	630	76.2	79.5	80.6	81.3	82.5	84.3	85.8	86.8	87.3	89.5	86.7	84.6	80.5	78.3				144.5
TAMB 61, DEG F	1000	800	75.6	78.9	80.3	80.9	81.9	82.5	83.5	84.4	85.1	86.7	85.2	82.7	79.6	77.1				142.7
(289, DEG K)	1250	1000	74.4	78.7	79.7	80.2	81.2	81.3	81.7	82.9	84.4	85.1	83.1	81.1	79.1	77.8				141.5
TWET 52, DEG F	1600	1250	73.6	78.8	80.0	80.6	80.8	80.0	79.8	82.4	83.5	85.2	83.7	79.3	78.0	77.9				141.0
(284, DEG K)	2000	1600	72.5	79.1	80.7	80.9	80.8	79.3	79.3	80.9	82.4	84.5	80.9	78.6	78.0	77.7				140.6
HACT 0, GM/M3	2500	2000	71.1	77.9	79.9	80.0	79.9	77.7	78.3	79.8	81.0	82.4	79.3	77.6	77.1	75.5				139.5
1, KG/M3	3150	2500	68.3	76.3	77.3	77.6	77.1	74.3	75.4	77.2	79.0	80.3	78.0	75.2	75.8	73.8				137.5
FREQ, SHIFT	4000	3150	66.0	74.5	75.7	76.1	74.3	72.3	73.5	74.7	76.7	77.8	75.0	73.4	75.0	73.2				135.8
JET 9	5000	4000	62.5	71.5	72.6	72.3	70.3	69.4	70.2	72.1	73.3	74.7	72.1	70.8	73.6	71.2				133.5
DIAMETER RATIO	6300	5000	60.0	68.7	70.0	70.3	67.6	64.9	67.3	68.7	70.1	70.9	68.8	67.5	72.7	70.9				131.1
DE/DM 8.00	8000	6300	56.6	65.6	67.1	66.6	64.6	61.4	65.6	66.3	66.6	68.0	65.5	67.9	74.0	72.1				130.5
OVERALL CALCULATED	10000	8000	58.1	61.8	63.0	63.4	62.0	58.5	66.7	66.8	64.5	66.9	64.5	68.9	76.4	74.4				132.7
PND8		10000	59.0	59.3	58.9	59.1	60.4	58.2	68.3	68.5	65.1	68.9	65.9	70.9	78.7	77.1				137.1
			90.7	92.2	93.3	93.3	94.4	94.8	96.3	98.1	99.2	101.4	102.6	105.5	106.2	105.0				159.4
			96.7	101.5	102.8	102.9	103.1	102.1	103.5	105.2	106.2	107.9	107.2	107.8	107.5	106.4				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
NO EGA	50	58.1	56.9	61.8	63.5	66.2	66.2	68.4	70.5	71.3	73.4	72.7	76.2	76.9	72.1			
SIDELINE 2400 FT, (731.52 M)	63	55.9	58.7	60.7	60.3	62.2	64.3	67.5	67.6	68.9	69.7	71.1	76.5	76.1	69.6			
	80	55.8	58.7	60.6	60.7	62.9	63.4	66.4	68.2	69.6	69.9	73.1	75.6	74.9	71.5			
NFA 0, RPM	100	56.0	59.1	60.9	61.9	63.6	64.1	65.6	68.9	69.4	72.4	73.5	74.7	72.0	69.9			
(0, RAD/SEC)	125	56.0	57.7	60.9	61.7	63.6	65.2	67.0	68.1	69.7	72.4	72.9	73.9	69.8	64.4			
NFK 0, RPM	160	54.7	57.8	60.6	61.5	63.9	64.0	66.4	67.8	69.1	71.6	72.9	72.8	68.1	60.6			
(0, RAD/SEC)	200	54.0	57.9	60.3	61.0	63.1	65.0	66.4	68.2	68.4	70.3	71.7	71.1	65.3	57.5			
NFD 0, RPM	250	54.7	56.7	58.4	62.0	63.4	64.7	65.8	67.2	68.4	69.0	70.1	68.7	62.7	55.0			
(0, RAD/SEC)	315	53.0	57.1	59.1	59.3	62.0	63.3	65.0	67.0	67.7	68.4	67.9	66.8	59.1	52.1			
AIRFLOW RATIO	400	52.2	57.1	59.6	60.8	62.8	64.0	65.6	67.3	67.2	68.7	67.0	64.6	57.5	50.9			
WF/KM 8.00	500	50.9	56.9	59.9	61.1	64.0	65.7	67.1	68.8	67.9	68.4	65.5	61.5	55.1	47.9			
	630	48.6	55.1	58.2	60.4	62.5	64.8	66.4	67.2	67.2	68.5	64.3	60.2	52.9	45.4			
VEHICLE JENOTS	800	46.8	53.5	57.2	59.3	61.3	62.4	63.5	64.3	64.4	65.1	62.1	57.4	50.9	42.5			
CONFIG JE*040	1000	44.3	52.3	55.8	57.8	59.9	60.5	61.1	62.1	63.1	62.7	59.1	54.8	48.9	41.1			
LCC EVENDALE	1250	41.8	51.1	55.0	57.3	58.6	58.4	58.5	60.8	61.3	62.0	56.7	51.7	46.2	38.7			
DATE 05-08-75	1600	38.3	49.6	54.2	56.3	57.4	56.6	56.9	58.3	59.0	59.9	54.3	49.1	43.8	34.9			
RUN CBTF-MODEL 4	2000	34.0	46.2	51.6	53.8	55.1	53.6	54.5	55.7	56.2	56.3	51.0	45.9	40.0	28.4			
TARE X40110	2500	27.0	41.4	46.3	49.1	50.2	48.2	49.6	51.1	52.1	51.8	47.0	40.3	34.4	20.4			
FAN TIP SPEED	3150	18.0	34.4	40.5	43.9	44.1	43.1	44.6	45.5	46.5	45.6	39.8	33.4	27.0	9.7			
FT/SEC	4000	4.3	23.8	31.0	34.6	35.0	35.4	36.6	38.1	38.0	37.1	30.6	23.0	15.4				
	5000		16.5	24.7	29.4	29.4	28.1	31.0	32.0	31.9	30.0	23.6	15.3	8.7				
	6300		0.3	11.1	16.3	17.8	16.5	21.3	21.4	19.8	17.7	9.4	2.6					
	8000					2.0	1.1	10.2	9.4	4.5	2.2							
OVERALL CALCULATED	10000	65.7	68.8	71.5	72.8	74.9	75.9	77.7	79.3	80.0	81.6	82.0	83.6	82.0	77.3			
PNDB		65.9	72.0	75.5	77.5	79.3	80.2	81.8	83.4	83.5	84.5	83.2	82.1	77.3	71.6			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
SPL INPUT AT STD		FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	PWL
REV. ALPHA 12/73			82.9	83.5	83.3	82.9	85.2	84.7	86.8	88.8	91.1	93.8	93.5	99.0	102.5	101.4				153.0
NO EGA		63	82.3	82.6	84.1	82.5	84.0	85.1	87.0	88.5	90.7	92.2	94.2	100.1	102.8	99.3				153.0
RDG. NO. 0		80	82.6	83.4	83.9	82.7	83.9	84.0	87.1	88.9	91.2	92.4	95.4	99.1	100.9	99.0				152.3
RADIAL 320, FT, (98, M)		100	82.0	84.2	83.9	84.3	85.3	85.5	87.4	89.9	91.3	94.8	97.0	98.5	98.5	98.0				152.1
		125	83.1	82.4	84.3	83.9	85.0	86.4	88.2	89.1	91.1	94.1	95.5	96.2	94.8	92.4				150.3
VEHICLE JENOTS		160	82.2	83.2	84.4	84.3	85.2	86.2	88.2	89.2	90.7	93.6	95.8	97.2	92.4	89.4				150.2
CONFIG JE-060		200	81.5	84.2	84.2	84.7	85.3	86.7	88.8	89.7	90.6	92.8	95.1	94.7	91.4	87.7				149.4
LOC EVENDALE		250	83.3	83.3	83.3	85.7	87.0	87.6	88.5	89.8	90.7	92.1	93.9	93.8	90.1	87.0				149.0
DATE 35-08-75		315	82.1	84.8	84.3	84.5	85.9	87.2	88.7	90.7	91.3	93.1	92.8	92.4	88.7	85.5				148.8
RUN DBTF-MODEL 4		400	82.1	84.9	85.1	86.0	87.1	88.1	89.8	90.9	92.1	94.1	92.5	91.4	88.9	87.4				149.4
TAPE X40130		500	82.5	85.5	85.8	87.1	88.5	90.4	91.7	92.8	93.1	94.5	91.6	89.9	87.9	86.1				150.1
BAR 29.3 HG		650	82.3	85.3	85.9	88.2	89.6	91.1	92.8	94.1	95.4	96.1	91.5	89.4	87.8	86.2				151.4
(99111, N/M2)		800	81.1	86.0	86.9	88.7	90.3	91.9	92.0	92.8	94.2	96.3	90.8	89.3	87.0	85.0				151.1
TAMB 69, DEG F		1000	80.3	84.8	86.6	88.1	89.8	90.1	90.3	93.5	94.3	95.7	90.2	88.5	86.4	84.7				150.7
(294, DEG K)		1250	80.5	86.2	88.7	89.5	89.7	89.2	89.8	92.8	94.7	94.4	89.4	87.3	86.2	84.8				150.5
TWET 55, DEG F		1600	79.5	86.3	88.4	88.9	88.8	88.5	89.6	91.7	93.6	93.7	88.9	86.6	87.0	86.4				150.0
(286, DEG K)		2000	79.4	87.2	88.7	88.7	88.4	87.4	88.3	90.5	92.1	91.7	87.9	86.4	87.9	86.8				149.2
HACT 0, GM/M3		2500	76.6	85.6	87.1	86.9	85.9	84.6	86.0	88.0	90.6	90.1	86.0	84.3	85.8	84.4				147.5
41, KG/M3		3150	74.3	82.5	84.0	84.2	83.4	82.2	83.8	86.3	87.6	86.9	82.6	81.5	81.8	80.8				145.2
FREQ. SHIFT		4000	70.3	78.6	79.9	80.6	80.2	80.0	81.5	83.5	84.1	84.1	80.5	78.6	79.4	77.3				142.9
JET 9		5000	69.1	75.8	77.0	78.1	77.6	77.2	78.6	80.8	81.4	81.4	76.9	75.8	76.7	75.5				140.6
DIAMETER RATIO		6300	86.7	72.4	73.6	74.4	74.3	73.9	73.9	78.3	78.3	80.2	75.5	78.7	77.0	74.6				139.6
DE/DM 8.00		8000	87.1	68.8	69.9	70.9	71.2	70.7	72.9	78.0	76.7	81.1	75.6	78.6	78.3	76.1				141.0
		10000	68.1	67.0	67.0	68.0	70.5	68.6	70.9	79.1	76.3	83.8	76.8	80.8	80.3	77.5				145.0
OVERALL CALCULATED			94.4	97.6	98.7	99.4	100.2	100.8	102.0	103.8	105.2	106.6	105.8	107.6	108.4	106.5				163.5
PNDB			103.1	108.6	110.1	110.4	110.6	110.4	111.6	113.7	115.2	115.9	112.9	112.5	112.4	110.7				

Run 25

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39: DEG, F, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STR		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
REV, ALPHA 12/73		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)
NO EGA		50	59.1	58.9	63.3	64.0	66.9	66.9	69.2	71.0	72.8	74.9	73.5	77.4	78.6	74.1			
SIDELINE 2400 FT		63	58.4	60.9	64.0	63.5	65.7	67.3	69.3	70.6	72.4	73.2	74.1	78.5	78.9	71.9			
(731.52 M)		80	58.5	61.7	63.8	63.7	65.7	66.1	69.4	71.0	72.9	73.4	75.3	77.3	76.9	71.5			
NFA 0: RPM		100	57.8	62.3	63.7	65.1	66.9	67.6	69.6	71.9	72.9	75.6	76.7	76.7	74.3	70.2			
(0: RAD/SEC)		125	58.7	60.4	63.9	64.7	66.6	68.4	70.3	71.1	72.7	74.9	75.1	74.2	70.5	64.4			
NFK 0: RPM		150	57.7	61.1	63.9	65.0	66.7	68.1	70.2	71.1	72.1	74.3	75.4	75.1	67.9	61.1			
(0: RAD/SEC)		200	56.7	61.9	63.5	65.3	66.6	68.5	70.7	71.5	71.9	73.3	74.5	72.4	66.6	59.0			
NFD 0: RPM		250	58.2	60.8	62.5	66.0	68.1	69.2	70.3	71.4	71.9	72.5	73.1	71.2	65.0	57.8			
(0: RAD/SEC)		315	56.5	61.9	63.2	64.6	66.8	68.6	70.3	72.1	72.2	73.2	71.7	69.6	63.1	55.6			
AIR FLOW RATIO		400	56.0	61.6	63.6	65.8	67.8	69.3	71.1	72.1	72.8	74.0	71.0	68.1	62.7	56.7			
WF/WM 8.00		500	55.7	61.7	63.9	66.6	68.8	71.2	72.7	73.6	73.5	73.9	69.8	66.1	61.1	54.4			
VEHICLE JENOTS		630	54.7	60.9	63.5	67.2	69.5	71.6	73.4	74.5	75.3	75.1	69.1	66.0	60.2	53.2			
CONFIG JENOTS		800	52.4	60.7	63.8	67.1	69.6	71.7	72.1	72.7	73.5	74.7	67.7	64.0	58.2	50.3			
LOC EVENDALE		1000	50.2	58.5	62.6	65.7	68.5	69.4	69.7	72.7	73.0	73.3	66.3	62.2	56.3	48.0			
DATE 05-08-75		1250	48.7	58.6	63.7	66.3	67.6	67.6	68.2	71.3	72.5	71.2	64.4	59.6	54.4	45.6			
RUN DBTF-MODEL 4		1600	45.3	56.8	61.9	64.3	65.4	65.8	67.1	69.0	70.2	69.1	62.3	57.1	52.8	43.6			
TARE X40130		2000	42.3	55.5	60.3	62.5	63.6	63.4	64.5	66.5	67.2	65.5	59.5	54.7	50.8	39.6			
FAN TIP SPEED		2500	35.3	50.7	56.1	58.4	59.0	58.6	60.2	62.0	63.7	61.6	55.0	49.4	44.5	30.9			
FT/SEC		3150	26.3	42.5	48.8	52.0	53.1	52.9	54.9	57.1	57.3	54.7	47.4	41.5	33.8	17.3			
		4000	12.4	30.9	38.3	42.9	44.9	46.0	48.0	49.5	48.8	46.4	38.9	30.9	21.2				
		5000	5.1	23.6	31.8	37.2	39.4	40.4	42.3	44.0	43.2	40.5	31.7	23.6	12.7				
		6300		7.1	17.6	24.1	27.5	29.0	31.6	33.4	31.5	29.9	19.5	11.4					
		8000				6.1	11.2	13.3	16.4	20.6	16.7	16.3	3.1						
		10000								4.4									
OVERALL CALCULATED			68.6	72.9	75.7	77.7	79.7	81.1	82.6	84.1	84.9	85.9	84.9	85.4	84.1	78.6			
PNDB			70.5	78.1	82.2	84.6	86.2	87.0	88.6	90.2	91.1	91.0	87.5	85.5	81.1	74.1			

Run 25

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	PHL		
REV, ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.			
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)			
NO EGA	30	83.2	80.5	86.8	83.7	85.4	85.5	87.6	89.6	91.8	94.6	94.5	100.3	103.7	101.9				154.0		
RDG, NO, 0	63	82.3	83.1	83.8	82.5	83.7	85.4	87.7	89.2	90.7	92.4	94.7	100.4	102.6	99.6				153.1		
RADIAL 320, FY.	80	82.1	83.4	83.9	82.9	84.4	84.2	87.8	89.1	91.9	92.4	96.2	100.1	101.9	101.3				153.3		
(98, M)	100	82.2	84.2	83.9	84.5	85.8	85.5	87.4	90.6	91.8	94.5	97.0	98.8	98.0	98.5				152.1		
VEHICLE JENOTS	125	83.6	82.9	84.5	83.9	85.8	86.7	88.2	89.6	91.6	95.1	95.7	97.9	95.6	92.7				151.1		
CONFIC JE#060	160	83.0	83.2	84.6	84.8	85.5	86.7	88.7	89.9	91.2	93.6	96.6	97.2	93.2	89.9				150.6		
LOC EVENDALE	200	82.0	84.7	84.7	85.0	86.1	87.2	88.8	90.0	91.1	93.0	95.3	95.2	91.6	88.0				149.7		
DATE 05-08-75	250	83.8	83.8	83.5	86.2	87.0	87.8	88.8	90.3	91.7	92.4	94.2	94.5	90.1	87.3				149.4		
RUN IBTF-MODEL 4	315	82.8	85.0	85.0	84.7	85.8	87.7	89.4	91.4	92.3	92.8	92.7	92.9	88.9	86.0				149.2		
TARE X40130	400	82.8	85.2	85.5	87.0	87.8	88.6	90.5	91.6	92.3	93.9	92.7	91.6	89.1	86.4				149.6		
BAR 29.5 HG	500	82.7	86.0	86.5	87.8	89.2	90.8	92.4	93.2	94.1	94.2	91.8	91.1	88.1	86.0				150.6		
(99448, N/M2)	630	82.8	85.0	86.9	88.6	89.8	91.6	93.5	94.8	95.8	95.8	92.0	90.9	88.0	85.4				151.7		
TAMB 65, DEG F	800	82.3	85.9	87.6	89.2	90.7	92.3	92.5	94.2	95.1	95.7	91.2	89.8	87.7	85.2				151.5		
(291, DEG K)	1000	80.9	85.0	86.7	88.4	90.2	90.5	91.4	93.9	94.4	94.8	90.4	88.7	87.1	84.8				150.8		
THET 54, DEG F	1250	81.4	87.3	89.3	89.9	89.8	89.7	90.4	93.2	95.0	94.0	89.5	87.6	86.3	85.9				150.7		
(285, DEG K)	1600	81.1	87.9	89.5	89.2	89.1	88.6	90.4	92.2	94.2	93.0	88.7	87.4	87.6	87.0				150.3		
HACT 0. GH/M3	2000	80.4	88.0	89.5	88.5	88.7	88.2	89.1	91.1	93.1	92.0	88.4	86.9	86.2	87.3				149.7		
KG/M3	2500	77.8	86.4	87.3	86.9	86.1	84.6	86.5	88.5	90.9	89.4	86.0	84.5	85.6	84.9				147.6		
FREQ. SHIFT	3150	74.6	83.0	84.3	83.6	82.4	82.2	84.3	86.1	87.8	86.1	83.1	81.7	82.3	81.0				145.1		
JET 9	4000	70.0	78.6	80.4	80.1	79.4	79.7	81.5	83.5	84.1	83.1	79.5	78.3	78.6	77.0				142.6		
DIAMETER RATIO	5000	67.8	75.5	77.3	77.8	77.1	76.4	78.6	80.1	80.7	79.7	76.7	75.6	76.3	74.9				140.0		
DF/DH 8.00	6300	64.5	71.4	73.2	74.0	73.1	73.4	75.2	76.9	77.2	76.3	74.1	76.0	75.4	73.2				138.1		
OVERALL CALCULATED	8000	61.0	67.9	69.6	70.3	69.6	69.3	72.1	73.1	73.4	74.7	74.8	77.3	77.0	75.0				138.1		
PNBB	10000	59.5	65.4	66.4	66.9	67.9	68.0	70.3	70.5	69.0	75.2	76.3	79.8	79.0	76.5				141.1		
		103.5	109.8	110.5	110.5	110.7	110.7	112.2	114.0	115.5	115.3	113.1	112.9	112.5	111.0				163.8		

Repeat of 413

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F., 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STD REV. ALPHA 12/73		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)
NFA 0, RPM		50	59,3	58,9	66,8	64,7	67,2	67,7	69,9	71,8	73,6	75,6	74,5	78,7	79,9	74,6		
NFK 0, RPM		80	58,4	61,4	63,7	63,5	65,5	67,5	70,0	71,4	72,4	73,5	74,6	78,7	78,6	72,1		
NFD 0, RPM		100	58,0	62,3	63,7	65,4	67,4	67,6	69,6	72,7	73,4	75,4	76,7	76,9	73,8	70,7		
NFA 0, RAD/SEC		125	59,2	60,9	64,2	64,7	67,3	68,7	70,3	71,6	73,2	75,9	75,4	75,9	71,3	64,6		
NFK 0, RAD/SEC		150	58,4	61,0	64,1	65,5	66,9	67,5	70,7	71,8	72,6	74,3	76,1	75,1	68,8	81,6		
NFD 0, RAD/SEC		200	57,2	62,4	64,0	65,5	67,4	69,0	70,7	71,7	72,4	73,5	74,7	72,9	66,8	59,2		
NFA 0, RAD/SEC		250	58,7	61,3	62,7	66,5	68,1	69,5	70,5	71,9	72,9	72,7	73,3	71,9	65,0	58,0		
NFK 0, RAD/SEC		315	57,2	62,2	63,9	64,8	66,8	69,1	71,0	72,8	73,2	73,0	71,6	70,0	63,3	56,1		
NFD 0, RAD/SEC		400	56,7	61,8	64,1	66,8	68,5	69,9	71,8	72,8	73,0	73,7	71,2	68,3	63,0	55,7		
AIR FLOW RATIO		500	55,9	62,1	64,6	67,3	69,5	71,7	73,4	74,1	74,4	73,7	70,0	67,3	61,3	54,4		
WF/WH 8.00		630	55,1	60,6	64,5	67,6	69,7	72,0	74,1	75,2	75,8	74,8	69,6	66,4	60,4	52,4		
VEHICLE JENOTS		800	53,6	60,6	64,5	67,6	70,0	72,2	72,5	74,1	74,5	74,1	68,1	64,4	58,9	50,5		
CCNFIG JE-060		1000	50,8	58,6	62,8	66,1	68,9	69,8	70,9	73,1	73,1	72,5	66,4	62,3	57,0	48,2		
LOC EVENDALE		1250	49,6	59,7	64,3	66,6	67,7	68,2	69,0	71,6	72,8	70,7	64,5	60,0	54,5	46,7		
DATE 05-08-75		1600	46,9	58,4	62,9	64,6	65,7	65,9	67,9	69,5	70,8	68,4	62,1	57,9	53,3	44,1		
RLN DETF-MODEL 4		2000	43,3	56,3	61,1	62,3	63,9	64,1	65,3	67,0	68,3	65,8	60,0	55,2	51,1	40,2		
TAPE X40130		2500	36,5	51,5	56,3	58,4	59,2	58,6	60,7	62,5	63,9	60,9	55,0	49,6	44,3	31,4		
FAN TIP SPEED		3150	26,5	43,0	49,1	51,5	52,1	52,9	55,4	56,8	57,5	53,9	47,9	41,7	34,3	17,5		
FT/SEC		4000	11,9	30,9	38,8	42,4	44,1	45,7	48,0	49,5	48,8	45,4	37,9	30,6	20,5			
		5000	3,8	23,4	32,1	36,9	38,9	39,7	42,4	43,3	42,4	38,8	31,4	23,4	12,3			
		6300		6,1	17,1	23,7	26,3	28,5	30,9	32,0	30,4	26,0	18,0	10,7				
		8000				5,5	9,6	12,0	15,5	15,8	13,4	10,0	2,2					
OVERALL CALCULATED		10000	68,9	73,2	76,4	78,1	80,1	81,4	83,2	84,7	85,5	85,9	85,2	86,1	84,7	79,4		
PNBB		768	71,1	78,7	82,8	84,8	86,4	87,4	89,2	90,7	91,7	90,7	87,8	86,0	81,6	74,6		

Repeat of 413

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)
 PROC: DATE - MONTH 07 DAY 0 HR, 00:00
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	PHL
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)
NO EGA	50	86.2	84.2	87.3	86.7	88.4	88.2	90.3	92.3	94.3	97.6	87.0	102.3	107.2	104.4	156.7
REG, NO, 0	63	86.6	87.1	88.3	87.0	88.2	89.1	92.0	93.0	94.7	96.2	88.7	103.6	104.8	102.6	155.8
RADIAL 320, FT.	80	87.1	88.0	88.5	86.7	88.7	88.5	91.6	93.6	95.4	97.2	90.2	102.8	104.4	102.1	155.6
(98. M)	100	86.7	89.2	88.4	88.5	90.0	90.3	91.9	95.1	96.8	99.5	91.7	102.3	102.0	101.0	155.5
VEHICLE JENOTS	125	87.8	87.4	88.5	88.4	89.5	90.7	92.7	94.3	96.1	99.6	91.2	100.4	99.4	96.7	154.3
CONFIG JENOTS	160	87.0	88.7	88.9	89.0	90.2	90.9	93.2	94.4	96.4	99.1	91.6	101.5	97.4	94.2	154.3
LOC EVENDALE	200	86.6	89.2	88.7	89.0	90.6	91.7	93.5	95.2	96.1	98.8	90.1	99.7	95.9	92.7	153.7
DATE 05-08-75	250	86.1	88.1	88.3	90.4	91.7	92.1	93.8	95.6	96.7	98.9	89.7	99.0	96.9	93.3	154.0
RUN DBTF-MODEL 4	315	87.1	88.8	88.5	89.2	90.6	92.0	93.7	95.2	98.1	98.9	88.8	98.5	95.9	92.8	153.9
TARE X40156	400	87.4	89.2	89.6	90.3	91.6	92.4	94.3	96.2	98.6	99.7	89.2	98.7	96.1	94.9	154.6
BAR 29.3 HG	500	86.0	88.8	89.1	90.4	92.7	94.2	95.7	97.5	99.4	99.7	88.4	97.4	95.4	93.3	155.0
(99043, N/42)	630	86.1	89.4	89.5	91.4	92.9	94.9	96.6	98.9	101.4	100.6	88.6	98.2	95.8	93.4	156.2
TAMB 72, DEG F	800	85.9	90.3	90.9	93.3	95.6	96.4	97.3	99.3	102.2	100.6	88.1	97.4	95.8	92.5	156.8
(295, DEG K)	1000	85.8	90.9	91.4	93.9	95.4	96.2	97.1	100.0	102.1	99.8	87.3	96.8	95.0	93.0	156.8
THET 56, DEG F	1250	85.1	90.6	91.6	93.6	94.8	95.7	96.9	99.9	102.0	99.8	87.0	95.4	94.1	92.4	156.7
(286, DEG K)	1600	83.6	89.4	91.0	93.0	94.4	94.9	96.7	99.3	101.5	98.6	85.2	93.7	92.4	90.5	156.1
HACT 0, GM/M3	2000	81.5	87.8	89.1	91.1	93.0	93.8	95.2	97.2	98.2	96.8	83.5	91.5	90.0	87.9	154.2
(, KG/M3)	2500	79.7	86.3	87.5	89.8	90.8	91.7	93.1	95.1	96.2	93.5	80.9	88.2	87.2	85.3	152.3
FREQ. SHIFT	3150	78.2	84.9	86.7	89.1	89.8	90.3	91.5	92.7	93.5	91.3	77.0	86.1	85.7	82.9	150.8
JET 9	4000	74.7	80.7	82.8	85.0	86.3	88.4	89.4	89.9	89.8	88.2	74.1	83.5	83.3	80.4	148.5
DIAMETER RATIO	5000	71.9	77.6	79.9	82.4	83.3	84.6	86.3	86.7	86.8	85.1	70.8	82.7	83.1	80.6	146.0
DF/DM 8.00	6300	69.5	73.7	77.0	78.3	79.7	81.2	82.7	83.4	83.4	83.6	68.3	84.6	84.9	82.3	144.9
OVERALL CALCULATED	8000	68.6	70.6	75.7	75.9	78.7	78.7	80.2	81.0	80.8	83.7	67.2	87.2	87.4	84.9	146.6
PND8	10000	68.9	67.8	75.3	75.3	78.8	78.4	80.2	80.7	77.8	85.3	67.4	89.4	89.1	86.8	150.3
		98.8	101.5	102.1	103.5	105.1	105.9	107.5	109.6	111.6	111.5	101.4	112.2	112.5	110.1	168.2
		106.7	111.2	112.5	114.3	115.6	116.5	118.0	119.8	121.5	120.5	108.4	118.2	117.2	114.9	



☆ 10 dB TOO LOW

ORIGINAL PAGE IS
OF POOR QUALITY

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	
SPL INPUT AT STD	REV, ALPHA 12/73	50	62.3	62.6	67.3	67.7	70.2	70.4	72.7	74.5	76.1	78.6	80.7	83.4	77.1				
	NO EGA	83	62.6	65.4	68.2	68.0	70.0	71.3	74.3	75.1	76.4	77.2	68.6	82.0	80.9	75.1			
SIDELINE	2400. FT.	80	63.0	66.2	68.3	67.7	70.4	70.6	73.9	75.7	77.1	78.2	70.1	81.1	80.4	74.5			
	(731.52 M)	190	62.5	67.3	68.2	69.4	71.6	72.3	74.1	77.2	78.4	80.4	71.5	80.4	77.8	73.2			
NFA	0. RPM	125	63.5	65.4	68.2	69.2	71.1	72.7	74.8	76.3	77.7	80.4	70.9	78.5	75.0	68.7			
(	0. RAD/SEC)	190	62.4	66.6	68.4	69.7	71.7	72.8	75.2	76.3	77.9	79.8	71.1	79.4	72.9	65.8			
NFK	0. RPM	200	61.7	66.9	68.0	69.5	71.9	73.5	75.4	77.0	77.4	79.3	69.5	77.4	71.1	64.0			
(	0. RAD/SEC)	250	63.0	65.5	67.5	70.8	72.9	73.7	75.5	77.2	77.9	79.3	68.8	76.4	71.7	64.1			
NFD	0. RPM	315	61.5	65.9	67.4	69.4	71.6	73.4	75.3	76.6	79.0	79.0	67.7	75.6	70.4	62.9			
(	0. RAD/SEC)	400	61.2	65.9	68.1	70.1	72.3	73.5	75.6	77.3	79.3	79.5	67.8	75.4	70.0	64.2			
AIRFLOW RATIO	WF/WM 8.00	500	59.2	65.0	67.2	69.9	73.1	75.0	76.7	78.4	79.7	79.2	66.5	73.6	68.6	61.7			
		630	58.5	64.9	67.1	70.4	72.8	75.4	77.2	79.3	81.3	79.8	66.2	73.8	68.2	60.5			
		800	57.2	64.9	67.8	71.7	74.9	76.3	77.4	79.2	81.6	79.0	64.9	72.0	67.0	57.9			
VEHICLE	JENOTS	1000	55.7	64.5	67.4	71.5	74.0	75.4	76.5	79.3	80.8	77.4	63.3	70.5	64.9	56.3			
CONFIG	JE+060	1250	53.3	62.9	66.6	70.4	72.7	74.2	75.5	78.4	79.8	76.5	62.0	67.7	62.3	53.2			
LOC	EVENDALE	1600	49.4	59.9	64.5	68.4	71.0	72.2	74.2	76.6	78.1	74.0	58.7	64.2	58.1	47.7			
DATE	05-08-75	2000	44.4	56.1	60.7	64.9	68.2	69.7	71.4	73.1	73.4	70.7	55.1	59.8	52.9	40.8			
RUN	CBTF-MODEL 4	2500	38.4	51.4	56.5	61.3	63.9	65.7	67.3	69.1	69.3	65.0	49.9	53.3	45.9	31.8			
TAPE	X40150	3150	30.2	44.9	51.5	56.9	59.5	61.1	62.6	63.5	63.2	59.1	41.8	46.1	37.7	19.5			
FAN TIP SPEED		4000	16.5	33.0	41.2	47.3	51.0	54.4	55.9	55.9	54.5	50.5	32.6	35.8	23.1	1.9			
	FT/SEC	5000	7.9	25.5	34.7	41.5	45.0	47.8	50.0	49.9	48.6	44.2	25.6	30.5	19.1				
		6300		8.4	20.9	28.0	32.9	36.3	38.5	38.5	36.6	33.3	22.3	19.3	3.7				
		8000			3.1	11.2	18.8	21.4	23.7	23.7	20.8	18.9		1.8					
		10000				0.5	3.7	6.6	5.9		0.5								
OVERALL CALCULATED			73.1	77.4	79.7	82.0	84.4	85.8	87.6	89.6	91.1	90.9	80.3	89.6	88.0	82.0			
	PND8		75.4	81.7	85.3	88.7	91.4	92.8	94.8	96.8	98.1	96.0	83.3	91.3	86.5	79.0			

10dB low

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (49. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)
 PROC. DATE - MONTH 58 DAY 0 HR. 0.0

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL	
REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	
NO BGA	50	81.9	79.0	82.8	82.9	84.4	83.5	86.1	88.1	90.3	93.1	93.0	98.3	101.0	100.4				152.0
RCG. NO. 0.	63	82.1	82.1	82.6	80.8	82.0	83.4	84.7	87.0	89.2	90.9	93.7	100.4	103.1	99.3				152.9
RADIAL 32. FT.	80	82.3	82.2	82.9	81.2	82.7	82.5	85.8	87.6	90.2	91.2	94.7	99.6	101.1	100.3				152.3
(98. 4)	100	81.5	83.2	82.1	82.5	83.5	83.5	85.9	88.4	89.8	93.0	95.7	98.3	99.2					151.6
VEHICLE JENOTS	125	81.8	80.9	82.3	81.6	83.3	84.9	86.2	88.1	90.1	93.1	95.2	95.9	95.3	94.4				149.8
CONFIG JENOTS	160	80.2	81.2	82.1	81.8	83.5	83.9	86.2	88.2	89.7	92.4	95.6	97.0	93.4	91.2				149.7
LOC EVENDALE	200	79.5	81.7	81.4	82.2	83.1	84.2	86.3	88.0	89.3	91.7	94.6	94.0	91.4	88.5				148.3
DATE 05-08-75	250	80.6	80.3	80.5	82.7	83.7	84.4	85.3	87.3	89.0	90.4	92.9	92.8	89.6	86.5				147.3
RLN DBTF-MODEL 4	315	79.3	80.8	81.0	80.7	81.8	83.2	84.9	86.9	88.5	90.1	91.0	90.4	86.7	84.0				146.0
TAPE X40160	400	78.6	80.9	81.5	81.7	83.1	83.6	85.8	87.1	88.1	90.1	90.2	88.9	85.1	84.4				145.8
BAR 29.4 HG	500	77.7	81.2	81.8	83.1	84.2	85.4	87.4	89.0	89.3	90.4	88.8	86.8	82.8	81.0				146.2
99144. N/42)	630	77.5	81.8	81.9	83.4	84.1	85.6	87.6	88.6	89.6	90.5	87.7	85.4	82.3	80.1				146.1
TAMB 66. DEG F	800	76.8	79.9	81.4	82.7	83.7	84.6	85.3	87.5	88.1	89.0	86.5	84.0	80.9	79.4				144.8
(292. DEG K)	1000	75.5	80.3	81.5	82.0	82.3	83.3	83.5	85.7	86.7	87.4	85.2	82.2	80.4	79.4				143.6
THET 54. DEG F	1250	74.9	80.4	81.9	82.0	81.9	82.1	82.2	84.7	85.8	87.3	83.8	81.2	79.9	79.0				143.0
(285. DEG K)	1600	74.4	80.7	83.3	83.0	82.9	81.7	82.0	83.8	85.3	87.8	82.8	80.7	80.1	79.8				143.2
HACT 0. GM/H3	2000	71.7	79.8	81.0	80.9	80.8	80.0	80.2	82.2	83.9	85.8	81.7	79.8	78.8	77.6				141.7
6. KG/H3)	2500	69.9	77.7	78.4	79.5	78.5	76.7	77.8	80.1	82.0	83.7	79.4	76.9	76.9	75.7				139.8
FREQ. SHIFT	3150	67.9	76.4	77.6	77.5	76.3	74.5	75.7	77.7	79.7	81.0	77.4	75.6	75.9	74.6				138.2
JET 9	4000	64.4	72.9	73.7	73.7	72.8	71.6	72.4	74.6	76.0	78.4	75.3	73.7	74.5	72.4				135.9
DIAMETER RATIO	5000	63.4	70.4	70.6	70.9	69.7	67.0	68.7	70.6	72.0	75.8	72.0	72.7	73.6	71.9				133.5
DF/DM 8.00	6300	63.8	67.5	67.7	67.5	68.3	65.0	67.0	68.0	68.0	76.6	72.4	75.3	75.2	72.5				134.4
OVERALL CALCULATED	8000	65.2	66.2	65.6	64.8	67.0	65.4	67.8	67.7	65.6	79.3	74.3	77.5	77.7	75.5				138.0
PND8	10000	67.3	65.9	65.2	65.0	69.2	67.3	69.6	69.3	66.0	82.2	76.8	80.5	80.0	77.7				143.2
		91.9	93.7	94.5	94.7	95.6	96.1	97.8	99.7	101.1	103.2	104.5	107.0	108.1	106.5				161.1
		98.3	103.1	104.2	104.4	104.6	104.2	105.3	107.1	108.6	111.0	109.6	109.8	109.2	108.0				

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ORIGINAL PAGE IS
OF POOR QUALITY

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
SPL INPUT AT STD REV, ALPHA 12/73		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,	
		FREQ.																	
NO EGA		50	58,1	57,4	62,8	64,0	66,2	65,7	68,4	70,3	72,1	74,1	73,0	76,7	77,1	73,1			
SIDELINE 2400, FT		63	58,1	60,4	62,5	61,8	63,7	65,5	67,0	69,1	70,9	72,0	73,6	78,7	79,1	71,9			
(731,52 M)		80	58,3	61,5	62,8	62,2	64,4	64,6	68,1	69,7	71,9	72,2	74,6	77,8	77,1	72,7			
NFA 0, RPM		100	57,3	61,3	61,9	63,4	65,1	65,6	68,1	70,4	71,4	73,9	75,5	76,4	75,0	71,4			
(0, RAD/SEC)		125	57,5	58,9	61,9	62,5	64,8	66,9	68,3	70,1	71,7	73,9	74,9	73,9	71,0	66,4			
NFK 0, RPM		160	55,7	59,1	61,6	62,5	64,9	65,8	68,2	70,1	71,1	73,1	75,1	74,9	68,9	62,8			
(0, RAD/SEC)		200	54,7	59,4	60,8	62,8	64,4	66,0	68,2	69,7	70,6	72,3	74,0	71,6	66,6	59,7			
NFD 0, RPM		250	55,5	57,8	59,7	63,0	64,9	66,0	67,8	68,9	70,1	70,7	72,1	70,2	64,5	57,3			
(0, RAD/SEC)		315	53,7	57,9	59,9	60,8	62,8	64,6	66,5	68,3	69,5	70,2	69,9	67,6	61,1	54,1			
AIRFLOW RATIO		400	52,5	57,6	60,1	61,6	63,8	64,7	67,1	68,3	68,7	70,0	68,7	65,6	59,0	53,7			
WF/XM 8,00		500	50,9	57,4	59,9	62,6	64,5	66,2	68,4	69,8	69,7	69,9	67,0	63,0	56,1	49,4			
		630	49,9	57,3	59,5	62,4	64,0	66,0	68,2	69,0	69,5	69,5	65,4	60,9	54,4	47,2			
		800	48,1	54,6	58,2	61,1	63,1	64,4	65,3	67,4	67,5	67,4	63,4	58,7	52,2	44,8			
VEHICLE JENOTS		1000	45,4	53,9	57,6	59,6	60,9	62,6	62,9	64,9	65,4	65,0	61,2	55,9	50,3	42,7			
CCNFIG JEM060		1250	43,1	52,7	56,9	58,7	59,7	60,3	60,8	63,2	63,7	64,1	58,8	53,5	48,1	39,8			
LCC EVENDALE		1600	40,2	51,2	56,8	58,4	59,5	59,0	59,5	61,1	61,9	63,2	56,2	51,2	45,9	37,0			
DATE 35-08-75		2000	34,6	48,1	52,7	54,7	56,0	56,0	56,4	58,1	59,1	59,6	53,4	48,1	41,7	30,5			
RUN DBTF-MODEL 4		2500	28,6	42,8	47,4	51,0	51,6	50,7	52,1	54,1	55,1	55,2	48,4	42,0	35,6	22,3			
TARE X40160		3150	19,9	36,4	42,4	45,3	46,0	45,3	46,8	48,4	49,4	48,8	42,2	35,6	27,9	11,2			
FAN TIP SPEED		4000	6,2	25,2	32,2	36,0	37,5	37,6	38,8	40,6	40,7	40,7	33,8	26,0	16,3				
PT/SEC		5000		18,2	25,4	30,0	31,5	30,3	32,4	33,9	33,8	34,9	26,8	20,5	9,6				
		6300		2,2	11,7	17,2	21,2	20,1	22,7	23,1	21,2	26,3	16,3	10,0					
		8000				0,1	7,6	8,0	11,3	10,3	5,7	14,5	1,7						
		10000																	
OVERALL CALCULATED			66,9	70,2	72,7	74,1	76,0	77,1	79,1	80,8	81,9	83,2	83,8	85,1	83,9	78,8			
PNDB			66,8	73,2	77,2	79,2	80,7	81,6	83,4	85,1	86,7	86,4	85,4	83,7	79,8	73,6			

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)																ANGLES FROM INLET IN DEGREES (AND RADIANS)			PWL		
SPL INPUT AT STD		FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PWL			
REV, ALPHA 12/73			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)				
NO EGA		90	84.4	82.2	84.8	84.7	86.4	86.7	88.1	90.1	95.8	95.8	95.5	101.5	103.7	103.9				155.8			
RCG, NO. 0,		63	84.8	85.3	86.1	84.5	85.7	87.1	88.7	90.5	95.9	94.4	96.7	102.9	104.8	101.6				155.5			
RADIAL 323, FY,		80	85.6	85.7	86.2	83.9	85.7	86.2	89.1	91.4	95.9	94.4	97.9	102.1	104.6	101.5				155.4			
(98, Y)		100	85.0	86.2	86.1	86.0	87.3	87.3	89.2	91.9	96.5	96.5	99.0	101.3	101.0	100.7				154.6			
VEHICLE JENOTS		125	85.3	83.9	85.5	85.9	86.5	87.4	89.4	91.3	96.6	96.6	98.7	98.2	97.8	95.2				153.2			
CONFIG JE0060		150	83.7	84.9	85.4	85.8	87.0	87.7	89.9	91.2	95.9	96.4	98.3	99.5	94.7	92.4				152.9			
LOC EVENDALE		200	83.0	85.7	85.7	85.7	86.8	88.2	90.0	91.5	96.6	95.3	96.8	96.7	93.1	89.5				151.9			
DATE 05-09-75		250	84.3	84.3	84.5	87.2	88.2	88.6	90.3	91.3	96.2	94.4	95.9	95.8	92.4	89.3				151.4			
RUN DBTF-MODEL 4		315	83.6	85.1	86.0	85.5	87.4	88.4	89.7	91.9	96.6	94.3	94.5	94.2	90.2	87.8				151.0			
TAPE X40160		400	82.6	85.2	85.6	86.7	88.1	89.1	91.1	92.4	96.6	95.4	94.5	93.7	90.4	88.9				151.4			
BAR 29.3 HG		500	81.2	85.5	86.0	88.1	89.7	91.1	92.7	93.8	97.9	95.2	93.4	92.4	89.9	87.3				152.0			
(99111, N/42)		630	81.8	85.6	86.4	88.2	90.6	92.1	94.1	95.3	100.6	97.1	93.0	91.9	89.8	87.2				153.7			
TAMB 69, DEG F		800	81.9	86.0	87.1	89.2	91.5	92.9	93.0	94.8	99.9	96.8	92.8	91.1	88.7	87.2				153.4			
(294, DEG K)		1000	80.5	85.3	86.8	89.6	91.6	91.6	92.0	94.7	100.6	96.2	92.0	90.0	88.4	86.2				153.4			
THET 55, DEG F		1250	80.3	86.5	88.5	90.3	91.0	90.7	91.3	94.6	101.2	95.7	91.4	88.8	88.2	86.6				153.6			
(286, DEG K)		1600	80.3	88.6	89.7	90.6	91.0	90.0	91.1	93.4	100.4	94.5	90.1	88.3	89.3	88.7				153.1			
HACT 0, GM/M3		2000	79.6	87.2	89.7	90.5	90.4	89.2	90.0	92.3	100.1	92.7	88.9	87.2	88.2	87.0				152.7			
(1, KG/M3)		2500	75.8	84.4	86.3	87.6	87.1	85.8	87.7	89.5	99.6	90.4	86.5	84.3	84.8	83.1				151.5			
FREQ. SHIFT		3150	73.1	81.3	83.3	84.4	84.2	85.8	87.8	89.6	97.9	87.9	83.3	81.2	83.6	81.5				151.2			
JET 9		4000	70.0	77.6	79.4	81.6	80.9	82.5	83.8	85.2	97.4	84.8	81.0	79.1	82.1	79.8				149.6			
DIAMETER RATIO		5000	68.1	75.3	77.0	78.6	78.9	79.4	81.6	82.0	96.1	81.9	78.1	77.0	82.0	80.7				149.6			
DE/DM 8.00		6300	66.4	71.9	73.4	74.9	74.6	77.4	79.4	80.1	96.6	79.7	76.2	77.9	84.5	82.1				149.9			
		8000	67.1	68.0	69.9	71.1	71.4	76.4	78.7	79.0	95.9	78.3	75.6	79.3	87.0	84.6				151.3			
		10000	68.4	66.5	67.3	68.8	69.0	77.4	80.2	79.4	95.0	79.5	76.3	81.8	89.1	87.0				153.6			
OVERALL CALCULATED			95.6	98.3	99.5	100.3	101.6	102.1	103.5	105.4	111.9	108.0	108.0	110.0	111.2	108.9				166.7			
PNDB			103.5	108.8	110.6	111.6	112.1	112.2	113.5	115.4	124.3	116.7	124.3	123.9	116.5	112.7							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)																			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
SPL INPUT AT STD REV, ALPHA 12/73		FREQ	30, (0.52)	40, (0.70)	50, (0.87)	60, (1.05)	70, (1.22)	80, (1.40)	90, (1.57)	100, (1.75)	110, (1.92)	120, (2.09)	130, (2.27)	140, (2.44)	150, (2.62)	160, (2.79)	0, (0)	0, (0)	0, (0)
NO EGA		50	60.6	61.6	64.8	65.7	68.2	68.9	70.4	72.3	77.6	76.9	75.5	79.9	81.9	76.6			
SIDELINE 2400, FT↑ (731.52 M)		63	60.9	63.7	66.0	65.5	67.5	69.3	71.0	72.6	77.7	75.5	76.6	81.2	80.9	74.1			
NFA 0, RPM		80	61.5	64.0	66.1	64.9	67.4	68.4	71.4	73.5	77.6	75.4	77.8	80.3	80.6	74.0			
(0, RAD/SEC)		100	60.8	64.3	65.9	66.9	68.9	69.3	71.4	73.9	78.2	77.4	78.7	79.4	76.8	72.9			
NFK 0, RPM		125	61.0	61.9	65.2	66.7	68.1	69.4	71.5	73.3	78.2	77.4	78.4	76.2	73.5	67.1			
(0, RAD/SEC)		160	59.2	62.8	64.9	66.5	68.4	69.6	71.9	73.1	77.4	77.1	77.9	77.4	70.1	64.1			
NFD 0, RPM		200	58.2	63.4	65.0	66.3	68.1	70.0	71.9	73.3	77.9	75.8	76.2	74.4	68.3	60.7			
(0, RAD/SEC)		250	59.2	61.8	63.7	67.5	69.4	70.2	72.0	72.9	77.4	74.8	75.1	73.2	67.2	60.1			
AIRFLOW RATIO		315	58.0	62.2	64.9	65.6	68.3	69.8	71.3	73.3	77.5	74.5	73.4	71.3	64.6	57.9			
WF/WM 8.00		400	56.5	61.7	64.1	66.6	68.8	70.3	72.4	73.6	77.3	75.2	73.0	70.3	64.2	58.2			
		500	54.5	61.7	64.2	67.6	70.0	72.0	73.7	74.6	78.2	74.7	71.5	68.6	63.1	55.7			
		630	54.2	61.1	64.0	67.2	70.5	72.6	74.7	75.8	80.6	76.1	70.6	67.5	62.2	54.2			
		800	53.1	60.6	64.0	67.6	70.9	72.7	73.1	74.7	79.3	75.2	69.7	65.8	60.0	52.6			
VEHICLE JENOTS		1000	50.4	59.0	62.9	67.2	70.2	70.9	71.5	74.0	79.2	73.8	68.0	63.7	58.3	49.5			
CONFIG JE-060		1250	48.5	58.8	63.5	67.0	68.8	69.1	69.9	73.0	79.0	72.4	66.4	61.1	56.4	47.4			
LOC EVENDALE		1600	46.0	59.1	63.1	66.0	67.6	67.3	68.6	70.7	77.0	69.8	63.6	58.8	53.0	45.8			
DATE 05-08-75		2000	42.5	55.5	61.3	64.3	65.6	65.1	66.2	68.2	75.2	66.5	60.5	55.5	51.0	39.9			
RUN DBTF-MODEL 4		2500	34.5	49.5	55.3	59.1	60.2	59.8	61.9	63.5	72.7	61.9	55.5	49.4	43.5	29.7			
TAPE X40180		3150	25.0	41.3	48.1	52.2	53.9	54.9	56.9	58.6	69.3	55.7	48.1	41.2	35.5	18.0			
FAN TIP SPEED		4000	11.9	29.9	37.8	43.9	45.6	48.5	50.2	51.2	62.1	47.1	39.4	31.4	24.0	1.2			
FT/SEC		5000	4.1	23.1	31.8	37.7	40.6	42.7	45.3	45.3	57.9	41.0	32.9	24.9	18.0				
		6300		6.6	17.3	24.6	27.8	32.5	35.1	35.2	49.8	29.4	20.2	12.7	3.3				
		8000				6.4	11.5	19.1	22.1	21.6	36.0	13.6	3.1						
		10000						2.6	6.6	4.6	16.7								
OVERALL CALCULATED			70.3	74.1	76.8	78.9	81.2	82.4	84.0	85.7	90.5	87.6	87.1	87.9	88.9	81.1			
PNDB			71.3	79.0	83.0	85.9	87.8	88.5	90.1	91.9	98.2	92.2	89.4	87.7	84.1	76.8			

SPL INPUT AT STD		PROC. DATE - MONTH 01 DAY 0 HR. 00, DAY - JENOTS)																PHL		
REV. ALPHA 12/73		FREQ. (0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)																		
NO EGA		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.					
RADIAL 320, FT.		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
VEHICLE JENOTS		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
CONFIG JE#050		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
LOC EVENDALE		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
DATE 5-68-75		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
RUN DBTF-MODEL 4		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
TAPE X40200		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
BAR 29.3 HG		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
(99.43, N/M2)		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
TAMB 72, DEG F		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
(295, DEG K)		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
TWET 56, DEG F		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
(286, DEG K)		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
HACT 0, GM/M3		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
(1, KG/M3)		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
FREQ. SHIFT		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
JET 9		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
DIAMETER RATIO		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
DF/DM 8.00		88.9	86.5	84.1	81.7	79.3	76.9	74.5	72.1	69.7	67.3	64.9	62.5	60.1	57.7					
OVERALL CALCULATED		101.0	102.5	103.4	104.5	106.3	107.4	109.0	111.2	113.4	113.4	114.1	115.5	116.6	114.7					
PNDB		108.0	111.9	113.2	114.8	116.6	117.6	119.2	121.2	123.1	122.1	120.6	120.3	119.5	117.3					

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★ 10 dB TOO LOW

ORIGINAL PAGE 1
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,
SPL INPUT AT STD																		
REV, ALPHA 12/73		FREQ,																
		50	65,1	64,9	70,5	70,0	72,4	73,2	75,2	77,3	78,8	81,6	71,2	85,7	87,4	81,1		
NO EGA		63	66,4	68,7	71,0	70,5	72,2	73,8	76,8	77,6	79,4	80,5	71,9	86,0	85,4	80,4		
SIDELINE 2400, FT,		80	66,5	68,5	70,6	70,4	72,9	73,6	76,4	78,2	80,1	81,2	73,6	85,1	85,6	81,0		
(731.52 M)		100	65,8	69,1	70,4	72,2	73,9	74,8	76,6	79,7	80,9	83,4	74,2	83,7	81,8	77,9		
NFA 0, RPM		125	66,2	66,9	70,4	71,2	73,1	75,4	77,0	78,8	80,7	83,4	73,9	81,7	79,3	72,9		
(0, RAD/SEC)		150	65,2	68,1	70,4	71,5	73,7	74,8	77,4	78,6	80,4	83,1	74,1	81,9	75,8	69,8		
NFK 0, RPM		200	63,7	68,7	70,0	71,5	73,6	75,5	77,4	79,3	80,7	82,0	72,7	79,9	74,1	67,7		
(0, RAD/SEC)		250	65,2	67,5	69,2	72,5	74,9	76,2	77,5	79,2	80,4	81,8	71,3	78,9	73,7	67,1		
NFD 0, RPM		315	63,5	67,2	69,4	70,6	73,3	75,1	77,0	79,3	80,8	81,2	70,7	78,1	73,4	66,2		
(0, RAD/SEC)		400	62,7	66,9	69,4	71,8	73,6	75,8	77,1	78,8	80,5	81,5	69,5	77,6	73,3	66,7		
AIRFLOW RATIO		500	60,7	66,2	68,5	71,1	74,1	76,0	77,9	79,4	81,7	80,2	69,0	76,3	72,4	64,7		
WF/KM 8.00		630	60,0	65,1	68,1	71,2	73,8	76,4	78,2	80,3	82,8	80,1	67,7	76,3	71,0	62,7		
		800	58,4	65,7	68,8	71,9	75,4	77,3	78,1	80,5	82,8	79,2	66,9	74,5	69,5	59,4		
VEHICLE JENOTS		1000	56,7	64,8	67,7	72,0	75,0	76,9	77,8	80,3	82,3	78,1	65,3	72,2	67,1	57,1		
CONFIG JENOTS		1250	54,1	62,4	66,3	70,4	74,4	75,2	77,0	79,9	81,3	76,7	62,7	69,5	64,0	53,5		
LOC EVENDALE		1600	50,4	59,7	64,5	68,9	72,0	73,2	76,0	77,8	79,1	75,0	59,9	65,9	59,1	47,9		
DATE 05-08-75		2000	45,1	56,6	61,7	65,4	69,0	70,7	72,6	74,6	74,9	70,9	56,6	60,8	53,9	40,8		
RUN DBTF-MODEL 4		2500	38,7	51,4	57,0	61,3	64,6	65,9	68,1	70,1	70,6	66,3	50,7	54,3	46,9	31,8		
TARE X40200		3150	29,7	44,4	51,5	56,9	60,0	61,8	63,3	64,5	64,5	60,1	43,0	46,6	37,4	19,7		
FAN TIP SPEED		4000	15,8	33,3	41,2	47,3	51,0	54,9	56,6	56,6	55,7	51,5	33,8	37,0	25,6	1,9		
FT/SEC		5000	8,4	26,5	35,2	41,3	45,6	48,0	49,7	50,1	50,1	45,9	27,5	31,0	19,4			
		6300		10,4	21,2	27,7	33,4	36,3	38,5	39,0	38,9	37,0	26,8	20,0	4,0			
		8000			2,9	11,4	18,8	21,1	23,9	24,2	24,5	25,2	2,4	1,8				
		10000					1,0	4,4	7,1	5,9	7,0	7,5						
OVERALL CALCULATED			75,7	78,9	81,5	83,4	85,9	87,5	89,3	91,3	93,1	93,1	83,2	93,1	92,2	86,8		
PNDB			77,2	82,7	86,2	89,6	92,6	94,2	96,3	98,3	99,7	97,7	85,6	93,9	90,7	83,5		



★ 10 dB Too Low

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (30° INLET, 12/73)																			ANGLES FROM INLET IN DEGREES (AND RADIANS)			PHL:		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	PHL:					
SPL INPUT AT STD		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,					
REV, ALPHA 12/73																								
NO EGA		50	82.9	80.5	83.8	83.7	85.4	85.2	87.1	89.3	91.6	94.6	95.3	100.5	103.7	101.6				154.0				
REG, NO. 0,		63	84.6	83.8	84.1	83.3	83.7	84.9	87.2	88.7	91.2	92.7	95.5	102.9	105.3	101.3				155.1				
RADIAL 320, FT.		80	84.6	84.4	84.4	82.7	84.2	84.0	87.3	90.1	92.2	92.9	97.2	102.1	103.9	101.8				154.7				
(98, 4)		100	83.5	84.2	84.4	83.8	85.0	85.0	87.2	90.6	92.0	95.0	97.7	100.5	101.2	102.0				153.8				
VEHICLE JENOTS		125	83.8	82.6	84.0	83.6	84.3	85.7	88.2	89.8	92.1	95.1	97.5	98.2	97.3	96.7				151.9				
CNFIG JE*090		160	81.7	82.7	83.4	83.8	84.7	85.2	87.9	89.9	91.7	94.9	97.8	99.0	95.7	93.7				151.8				
LCC EVENDALE		200	80.8	83.0	83.2	83.7	84.3	85.7	88.0	89.2	90.8	93.5	96.6	96.0	93.4	91.7				150.2				
DATE 05-08-75		250	81.6	81.3	81.5	83.7	85.0	85.9	87.5	88.8	90.7	92.4	94.9	94.8	92.1	90.5				149.2				
RLN DBTF-MODEL 4		315	80.0	81.6	81.7	82.0	83.1	84.7	86.4	88.7	90.0	91.8	93.0	92.2	88.9	88.5				147.8				
TAPE X40210		400	79.3	81.7	82.0	82.5	84.1	84.9	86.3	88.6	89.3	91.4	91.4	90.1	87.1	87.9				147.0				
SAB 29.3 HG		500	78.5	81.7	82.5	83.8	84.7	86.6	88.2	89.5	90.6	91.4	90.1	88.1	84.6	83.3				147.2				
(99111, N/42)		630	78.8	82.0	82.9	84.1	85.3	87.1	88.6	89.8	90.6	92.0	89.0	86.7	83.0	81.4				147.3				
TAMB 66, DEG F		800	77.1	80.4	82.6	83.5	84.7	85.6	86.7	88.7	89.4	90.5	87.5	85.3	81.7	79.9				146.1				
(292, DEG K)		1000	76.0	80.0	81.8	83.0	83.5	84.3	85.0	87.2	88.7	89.1	86.6	83.7	81.4	80.6				145.0				
THET 54, DEG F		1250	75.2	79.9	82.4	82.5	83.2	83.1	83.7	86.0	87.6	88.3	84.8	82.2	80.6	80.0				144.1				
(285, DEG K)		1600	73.9	80.5	83.1	84.0	83.4	82.2	82.7	85.1	86.5	88.8	84.0	81.2	80.1	79.8				144.1				
HACT 0, GM/M3		2000	72.0	80.0	81.5	82.9	82.3	81.0	81.2	83.4	84.9	87.6	82.2	80.0	80.0	77.6				142.9				
(, KG/M3)		2500	69.9	77.5	79.2	80.0	79.3	77.7	78.6	81.1	83.0	84.7	79.9	77.6	77.9	76.2				140.6				
FREQ, SHIFT		3150	67.7	76.6	77.9	78.3	77.3	75.8	76.4	78.9	80.2	82.0	77.7	76.1	77.4	75.6				139.0				
JET 9		4000	65.1	73.2	74.2	75.2	73.3	72.8	73.4	75.6	77.0	79.2	75.1	73.9	75.2	73.1				136.7				
DIAMETER RATIO		5000	63.7	71.1	72.4	72.7	71.0	68.5	70.0	71.9	73.5	76.8	72.8	72.2	74.6	72.9				134.6				
DF/DN 8.00		6300	63.8	67.5	69.0	69.0	68.2	66.0	68.0	69.2	69.7	77.9	73.1	73.8	75.7	73.5				135.1				
OVERALL CALCULATED		8000	65.7	65.7	66.8	66.8	68.1	65.9	68.1	68.4	67.1	80.0	74.3	76.0	77.7	76.0				138.2				
PNDB		10000	67.8	65.9	65.4	66.0	69.7	67.8	69.9	69.3	66.5	83.0	76.8	78.3	79.8	77.5				143.1				
			93.4	94.6	95.6	95.9	96.7	97.4	99.2	101.2	102.8	104.9	106.5	109.3	110.4	108.5				163.1				
			98.8	103.6	104.9	105.6	105.7	105.3	106.4	108.5	109.9	112.5	111.1	111.2	111.1	110.1								

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ORIGINAL PAGE
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,		
SPL INPUT AT STD		(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,		
REV, ALPHA 12/73		FREQ.																		
NO EGA		50	59,1	58,9	63,8	64,7	67,2	67,4	69,4	71,5	73,3	75,6	75,2	78,9	79,9	74,3				
SIDELINE 2400. FT,		63	60,6	62,2	64,0	64,3	65,5	67,0	69,5	70,9	72,9	73,7	75,4	81,2	81,4	73,9				
(731,52 M)		80	60,5	62,7	64,3	63,7	65,9	66,1	69,6	72,2	73,9	73,9	77,1	80,3	79,9	74,2				
NFA		100	59,3	62,3	64,2	64,6	66,6	67,1	69,4	72,7	73,7	75,9	77,5	78,7	77,0	74,2				
C, RPM		125	59,5	60,7	63,7	64,5	65,8	67,7	70,3	71,8	73,7	75,9	77,1	76,2	73,0	68,6				
(0, RAD/SEC)		160	57,2	60,6	62,9	64,5	66,2	67,1	69,9	71,8	73,1	75,6	77,4	76,9	71,1	65,3				
NFK		200	56,0	60,6	62,5	64,3	65,6	67,5	69,9	71,0	72,1	74,0	76,0	73,6	68,6	63,0				
(0, RAD/SEC)		250	56,5	58,8	60,7	64,0	66,1	67,5	69,3	70,4	71,9	72,7	74,1	72,2	67,0	61,3				
AFD		315	54,5	58,9	60,6	62,1	64,0	66,1	68,0	70,1	71,0	72,0	71,9	69,3	63,4	58,6				
(0, RAD/SEC)		400	53,2	58,4	60,6	62,3	64,8	66,0	67,6	69,8	70,0	71,2	70,0	66,8	61,0	57,2				
AIRFLOW RATIO		500	51,7	57,9	60,7	63,3	65,0	67,4	69,1	70,3	70,9	70,9	68,2	64,3	57,8	51,6				
WF/KH 8.00		630	51,2	57,6	60,5	63,1	65,2	67,5	69,2	70,3	70,5	71,0	66,8	62,2	55,4	48,4				
		800	48,3	55,1	59,5	61,8	64,1	65,4	66,8	68,6	68,7	68,9	64,4	60,0	52,9	45,3				
VEHICLE JENOTS		1000	45,9	53,6	57,8	60,6	62,2	63,6	64,4	66,4	67,4	66,8	62,7	57,4	51,3	44,0				
CCNFIC JE#060		1250	43,4	52,2	57,4	59,2	61,0	61,5	62,3	64,4	65,4	65,1	59,8	54,5	48,8	40,8				
LOC EVENDALE		1600	39,7	51,0	56,5	59,4	60,0	59,5	60,2	62,4	63,1	64,2	57,5	51,7	45,9	37,0				
DATE 05-08-75		2000	34,9	48,3	53,2	56,7	57,5	57,0	57,4	59,4	60,1	61,4	53,9	48,3	42,9	30,5				
RUN DBTF-MODEL 4		2500	28,6	42,6	48,2	51,5	52,3	51,7	52,8	55,1	56,1	56,2	48,9	42,7	36,6	22,8				
TARE X40210		3150	19,6	36,6	42,7	46,1	47,0	46,5	47,5	49,7	49,9	49,8	42,5	36,1	29,4	12,2				
FAN TIP SPEED		4000	7,0	25,5	32,7	37,5	38,0	38,8	39,8	41,6	41,7	41,5	33,5	26,2	17,1					
FT/SEC		5000		18,9	27,1	31,8	32,8	31,8	33,7	35,1	35,3	35,9	27,5	20,0	10,6					
		6300		2,2	13,0	18,7	21,4	21,1	23,7	24,3	22,9	27,6	17,1	8,5						
		8000				2,1	8,1	8,5	11,6	11,1	7,2	15,3	1,7							
		10000																		
OVERALL CALCULATED			68,5	71,4	73,9	75,3	77,2	78,4	80,6	82,4	83,6	85,0	85,9	87,3	86,3	80,8				
PNDB			67,8	74,0	77,8	80,3	81,7	82,9	84,6	86,3	87,2	88,0	87,3	85,7	82,1	76,6				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIAN)																PHI		
REV, ALPHA 12/73	FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	PHI	
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,	(0,		
NO EGA	50	86.4	84.2	92.3	86.9	88.7	89.5	90.8	93.1	95.6	99.3	99.5	106.5	110.5	107.6				160.0	
RDG. NO. 0.	63	87.3	87.6	89.3	87.3	88.2	89.9	92.5	93.7	95.4	97.4	99.5	106.4	108.1	105.8				158.7	
RADIAL 320, FT.	80	86.6	88.2	88.2	87.2	88.4	88.7	91.6	94.4	96.7	98.7	102.2	106.3	108.4	106.8				159.3	
(98, 1)	100	86.5	87.9	88.1	88.8	89.5	89.8	91.9	94.6	96.3	100.3	102.5	105.0	104.0	104.5				157.8	
VEHICLE JENOTS	125	87.3	86.4	88.5	88.2	89.3	90.7	92.2	94.3	96.4	99.8	101.7	103.4	101.1	98.9				156.3	
CONFIG JE*090	180	86.5	86.9	88.1	88.5	89.2	90.4	92.7	94.2	95.9	99.4	101.8	102.5	98.9	95.7				155.7	
LCC EVENDALE	200	85.8	87.7	87.7	88.2	89.6	91.0	92.5	94.0	95.8	98.2	100.1	99.5	96.6	93.0				154.2	
DATE 05-08-75	250	86.6	86.8	86.8	88.9	90.2	90.6	92.3	93.8	95.5	97.6	98.9	98.5	95.8	91.5				153.6	
RLN DBTF*MODEL 4	315	85.5	87.5	86.0	87.5	89.1	90.7	92.4	93.9	95.5	97.6	98.0	97.7	93.7	90.0				153.2	
TAPE X40230	400	85.3	87.9	88.3	89.2	90.1	91.6	92.8	94.1	95.3	97.4	96.4	96.4	93.6	89.9				152.9	
BAR 29.5 HG	500	84.4	87.2	88.3	89.3	90.9	93.1	94.1	96.0	96.8	97.2	95.8	95.1	91.8	89.5				153.3	
(99448, N/M2)	630	85.0	87.8	89.6	90.6	92.3	94.1	96.1	97.3	98.8	97.5	95.5	94.9	92.0	89.9				154.4	
TAMB 69, DEG F	800	85.1	88.6	90.1	91.7	93.2	94.8	95.2	97.7	98.6	98.0	94.7	94.3	92.2	88.7				154.6	
(294, DEG K)	1000	84.7	88.2	90.5	91.5	93.2	94.0	94.7	97.4	99.0	97.3	94.1	89.2	80.8	89.3				154.3	
THET 56, DEG F	1250	84.9	89.6	91.1	91.9	92.9	93.5	93.9	97.4	98.8	96.8	93.0	92.1	91.3	90.2				154.0	
(286, DEG K)	1600	85.4	90.4	92.3	92.5	92.9	92.9	93.9	96.8	98.2	96.0	92.2	91.6	92.1	90.7				154.0	
HACT 0, GM/M3	2000	83.2	88.7	90.5	91.1	91.7	91.0	92.4	95.1	96.4	94.0	90.2	89.0	89.0	87.1				152.4	
1, KG/M3	2500	80.6	85.9	87.4	88.4	88.5	88.1	90.3	92.5	93.9	91.9	87.8	86.1	85.9	83.7				150.2	
FREQ. SHIFT	3150	78.1	83.6	85.3	86.7	86.2	86.7	88.6	90.1	90.9	88.7	84.9	82.8	83.1	81.3				148.2	
JET 9	4000	74.4	79.9	82.0	83.4	83.2	84.8	86.1	87.3	87.4	85.9	81.5	79.9	80.0	77.9				146.0	
DIAMETER RATIO	5000	71.7	76.9	78.9	80.4	80.0	80.8	82.7	83.8	84.2	82.5	78.0	77.4	76.9	75.6				143.0	
DF/DM 8.00	6300	68.6	72.5	75.0	76.1	75.2	76.0	79.8	80.5	80.5	81.6	75.6	76.6	75.2	73.8				141.2	
OVERALL CALCULATED	8000	67.6	69.0	70.9	71.4	71.9	71.7	77.9	78.7	77.7	81.9	75.4	78.6	76.1	75.1				141.7	
PNDP	10000	68.1	66.0	67.3	67.0	70.0	68.9	78.9	79.1	75.5	84.5	76.6	80.1	77.6	77.3				143.4	
		98.3	100.6	102.2	102.4	103.5	104.5	105.9	108.0	109.5	110.5	111.1	113.9	115.0	112.9				169.4	
		106.9	110.8	112.4	113.0	113.7	114.1	115.7	117.9	119.1	118.5	116.3	116.7	116.2	114.2					

ON POOR QUALITY
 10/1/78

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD REV. ALPHA 12/73		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)
NO EGA		50	62.6	62.6	72.3	68.0	70.4	71.7	73.2	75.3	77.3	80.4	79.5	84.9	86.6	80.3		
SIDELINE 2400 FT		63	83.4	65.9	69.2	68.3	70.0	72.0	74.8	75.9	77.2	78.5	79.4	84.7	84.1	78.4		
(731.52 M)		80	82.5	66.5	68.1	68.2	70.2	70.9	73.9	76.5	78.4	79.7	82.1	84.6	84.4	79.2		
NFA 0 RPM		100	82.3	66.1	67.9	69.6	71.1	71.8	74.1	76.7	77.9	81.1	82.2	83.2	79.8	76.7		
(0 RAD/SEC)		125	83.0	64.4	68.2	69.0	70.8	72.7	74.3	76.3	77.9	80.7	81.4	81.4	76.8	70.9		
NFK 0 RPM		160	81.9	64.8	67.8	69.2	70.7	72.3	74.7	76.1	77.4	80.1	81.4	80.4	74.4	67.3		
(0 RAD/SEC)		200	81.0	65.4	67.0	68.8	70.9	72.7	74.4	75.7	77.1	78.8	79.5	77.1	71.8	64.2		
NFD 0 RPM		250	81.5	64.3	65.9	69.3	71.4	72.2	74.0	75.4	76.6	78.0	78.1	75.9	70.7	62.3		
(0 RAD/SEC)		315	81.0	64.7	66.9	67.6	70.0	72.1	74.0	75.3	76.5	77.7	76.9	74.8	68.1	60.1		
AIRFLOW RATIO		400	59.2	64.6	66.8	69.1	70.8	72.7	74.1	75.3	76.0	77.2	75.0	73.1	67.5	59.2		
WF/WK 8.00		500	57.7	63.4	66.4	68.8	71.3	73.9	75.1	76.8	77.2	76.7	74.0	71.3	65.1	57.9		
		630	57.4	63.3	67.2	69.6	72.2	74.5	76.7	77.7	78.8	76.5	73.1	70.4	64.4	56.9		
		800	56.3	63.3	67.0	70.1	72.6	74.7	75.3	77.6	78.0	76.4	71.6	68.9	63.4	54.0		
VEHICLE JENOTS		1000	54.6	61.9	66.5	69.1	71.9	73.3	74.1	76.6	77.6	75.0	70.2	66.8	60.7	52.7		
CONFIG JE-060		1250	53.1	61.9	66.1	68.6	70.7	72.0	72.5	75.9	76.6	73.5	68.0	64.5	59.5	51.0		
LOC EVENDALE		1600	51.1	60.9	65.7	67.9	69.5	70.2	71.4	74.1	74.8	71.4	65.7	62.2	57.9	47.9		
DATE 05-08-75		2000	46.1	57.0	62.1	64.9	66.9	66.9	68.5	71.0	71.6	67.8	61.8	57.3	51.9	39.9		
RUN DBTF-MODEL 4		2500	39.3	51.0	56.4	60.0	61.5	62.1	64.5	66.5	67.0	63.4	56.8	51.2	44.6	30.2		
TARE X40230		3150	30.1	43.6	50.1	54.5	55.9	57.5	59.7	60.9	60.6	56.5	49.7	42.8	35.1	17.9		
FAN TIP SPEED		4000	16.2	32.2	40.4	45.7	47.9	50.8	52.5	53.3	52.1	48.2	40.0	32.2	21.8			
FT/SEC		5000	7.7	24.7	33.6	39.5	41.8	44.0	46.4	46.9	46.0	41.6	32.8	25.2	12.9			
		6300		7.2	19.0	25.7	28.4	31.1	35.5	35.6	33.7	31.3	19.6	11.3				
		8000				6.6	12.0	14.3	21.4	21.4	17.7	17.1	2.8					
OVERALL CALCULATED		10000	72.5	76.4	79.9	81.1	83.2	84.8	86.5	88.3	89.4	90.3	90.4	91.9	90.8	85.2		
PNDB			74.3	81.2	85.5	87.8	89.8	91.0	92.7	94.8	95.6	94.2	92.3	91.4	87.9	80.7		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL, HUM, DAY - JENOTS)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
REV, ALPHA 12/73		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.1)	(0.1)	(0.1)	PWL
NO EGA		50	90.4	89.0	92.6	91.4	92.7	93.2	95.1	97.1	99.3	103.1	104.5	110.0	114.2	110.9				163.7
REG, NO. 0.		63	93.6	93.6	93.6	91.8	93.7	94.6	97.5	98.0	99.9	102.2	105.5	111.6	113.6	111.3				164.0
RADIAL 320, FY,		80	95.8	94.0	93.5	92.5	94.0	93.5	96.6	98.4	101.2	103.5	107.5	111.1	114.9	113.3				165.0
(98, M)		100	94.2	94.9	93.4	94.3	95.0	95.0	97.4	99.9	102.0	105.5	107.5	109.5	110.5	112.2				163.5
VERICLE - JENOTS		125	95.1	91.6	93.0	93.2	94.0	95.7	97.9	99.3	101.9	105.3	107.5	106.7	108.4	107.2				161.8
CCAFIG JE*060		180	93.0	92.7	93.1	93.8	95.0	95.7	98.2	99.9	101.7	105.4	107.8	107.5	105.9	104.4				161.6
LOC EVENDALE		200	91.1	93.2	92.4	93.7	95.1	96.2	97.8	100.0	101.8	104.8	106.8	105.5	103.4	102.5				160.6
DATE 05-08-75		250	92.6	92.3	91.8	94.9	95.7	96.6	98.0	100.3	102.0	104.6	105.9	105.5	103.9	101.8				160.5
RUN DBTF-MODEL 4		315	92.1	93.1	93.3	93.0	94.6	96.2	98.0	100.2	102.6	104.4	104.8	104.7	103.7	100.8				160.1
TAPE X40250		400	91.6	92.7	92.8	94.3	95.6	96.6	98.1	99.9	102.4	104.2	104.5	105.7	103.9	101.4				160.2
BAR 29.3 HG		500	89.8	91.3	91.8	93.4	95.2	97.2	98.7	100.3	102.9	103.5	104.1	104.4	102.9	100.1				159.9
(99043, N/M2)		630	89.8	91.1	91.5	93.9	95.1	97.2	99.4	101.6	104.2	103.6	104.1	104.5	102.6	98.7				160.3
TAMB 72, DEG F		800	87.9	91.0	92.7	94.5	96.8	98.4	99.3	101.6	104.7	102.9	102.8	103.6	101.5	96.5				160.1
(295, DEG K)		1000	88.1	91.4	92.6	95.1	97.1	98.2	99.6	102.3	104.4	102.3	101.5	101.6	99.2	95.5				159.7
TWET 56, DEG F		1250	86.9	90.8	92.1	94.4	96.3	97.2	98.6	102.4	104.3	101.8	100.3	99.1	97.6	93.9				159.2
(286, DEG K)		1600	85.1	89.2	91.0	92.7	95.4	96.4	98.4	101.3	102.2	100.1	98.2	96.9	95.1	91.0				157.8
HACT 0, GM/M3		2000	83.0	87.8	89.1	91.9	94.0	95.3	97.2	99.2	100.2	98.1	96.0	94.8	92.3	88.9				156.2
(1, KG/M3)		2500	80.2	85.5	87.2	89.8	91.8	92.5	94.9	96.9	98.0	95.2	92.9	91.7	89.2	85.3				154.0
FREQ, SHIFT		3150	78.0	83.4	85.4	88.1	89.1	90.3	92.5	94.2	95.2	92.5	88.7	88.6	87.0	83.2				151.8
JET 9		4000	75.7	80.0	82.0	84.2	85.3	87.9	89.2	91.1	91.5	89.7	86.6	85.5	84.8	80.7				149.4
DIAMETER RATIO		5000	74.9	78.1	79.6	81.7	83.0	83.8	86.0	87.7	89.0	88.1	83.8	84.4	83.9	81.1				147.2
BF/DK 8.00		6300	74.8	76.0	77.0	78.8	79.9	80.7	83.2	84.2	86.4	88.8	84.1	86.8	85.9	83.0				147.3
OVERALL CALCULATED		8000	76.1	75.3	75.7	76.7	79.0	78.5	81.0	81.8	85.5	90.7	85.5	88.7	88.4	85.2				149.8
PNQB		10000	78.2	76.3	75.6	76.1	80.1	78.7	80.7	81.7	86.1	93.6	87.4	91.1	90.6	87.3				154.4
			104.1	104.6	105.0	106.1	107.7	108.8	110.7	112.9	115.0	116.0	117.4	119.1	120.7	119.1				173.9
			110.1	112.5	113.5	115.4	117.2	118.4	120.2	122.3	123.9	123.6	122.9	123.6	123.2	121.1				

Run 25

ORIGINAL FILED IN
ON FOR CUMULATIVE

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES, (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	66.6	67.4	72.5	72.5	74.4	75.4	77.4	79.3	81.1	84.1	84.5	88.4	90.4	83.6			
SIDELINE 24004 FT?	83	69.6	71.9	73.5	72.8	75.5	76.8	79.8	80.1	81.7	83.2	85.4	90.0	89.6	83.9			
(731.52 M)	80	71.8	72.2	73.3	73.4	75.7	75.6	78.9	80.5	82.9	84.4	87.3	89.3	90.9	85.7			
NFA 0, RPM	100	70.0	73.1	73.2	75.2	76.6	77.1	79.6	81.9	83.7	86.4	87.2	87.7	86.3	84.4			
(0, RAD/SEC)	125	70.7	69.7	72.7	74.0	75.6	77.7	80.0	81.3	83.4	86.2	87.1	84.7	84.0	79.2			
NFK 0, RPM	160	68.4	70.6	72.6	74.9	76.4	77.6	80.2	81.8	83.1	86.1	87.4	85.4	81.4	76.1			
(0, RAD/SEC)	200	66.2	70.9	71.8	74.3	76.4	78.0	79.7	81.8	83.2	85.3	86.2	83.1	78.6	73.7			
NFD 0, RPM	250	67.5	69.8	71.0	75.3	76.9	78.2	79.8	81.9	83.2	85.0	85.1	82.9	78.7	72.6			
(0, RAD/SEC)	315	66.5	70.2	72.2	73.1	75.6	77.6	79.5	81.6	83.5	84.5	83.7	81.8	78.1	70.9			
AIRFLOW RATIO	400	65.5	69.4	71.4	74.1	76.3	77.8	79.4	81.1	83.0	84.0	83.0	82.4	77.8	70.7			
WF/HM 8.00	500	63.0	67.5	70.0	72.9	75.6	78.0	79.7	81.1	83.2	83.0	82.3	80.6	76.1	68.4			
	630	62.2	66.6	69.1	72.9	75.0	77.6	80.0	82.0	84.1	82.6	81.7	80.0	75.0	65.7			
	800	59.2	66.4	69.6	72.9	76.2	78.3	79.4	81.5	84.1	81.2	79.7	78.3	72.8	61.9			
VEHICLE JENOTS	1000	58.0	65.0	68.7	72.8	75.8	77.4	79.0	81.5	83.0	79.9	77.6	75.2	69.1	58.8			
CONFIG JE*060	1250	55.1	63.2	67.1	71.1	74.2	75.7	77.3	80.9	82.1	78.5	75.2	71.5	65.8	54.7			
LOC EVENDALE	1600	50.9	59.7	64.5	68.1	72.0	73.7	76.0	78.6	78.8	75.5	71.7	67.4	60.9	48.2			
DATE 05-08-75	2000	45.9	56.1	60.7	65.7	69.2	71.2	73.4	75.1	75.4	71.9	67.6	63.1	55.2	41.8			
RUN DBTF-MODEL 4	2500	38.9	50.6	56.2	61.3	64.9	66.4	69.1	70.8	71.1	66.8	61.9	56.8	47.9	31.8			
TAPE X40250	3150	29.9	43.4	50.2	55.9	58.8	61.1	63.6	65.0	65.0	60.4	53.5	48.6	38.9	19.7			
FAN TIP SPEED	4000	17.5	32.3	40.5	46.6	50.0	53.9	55.6	57.1	56.2	52.0	45.4	37.8	26.6	2.1			
FT/SEC	5000	30.9	26.0	34.4	40.8	44.8	47.0	49.7	50.9	50.8	47.2	38.5	32.2	19.9				
	6300		10.7	20.9	28.5	33.1	35.8	39.0	39.3	39.6	38.5	28.1	21.5	4.7				
	8000			3.1	11.9	19.0	21.1	24.4	24.4	25.5	25.9	22.9	3.3					
	10000					1.8	3.9	7.1	6.9	7.8	8.7							
OVERALL CALCULATED		79.1	81.5	83.5	85.5	87.8	89.3	91.4	93.3	95.0	95.9	96.5	96.8	96.5	91.2			
PND8		79.9	84.6	87.4	90.5	93.5	95.3	97.5	99.6	100.7	100.1	99.1	97.8	95.3	89.1			

RUN 25

: PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC: DATE = MONTH 38 DAY 0 HR: 00:00
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL; H04, DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0, 0, 0, PWL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	(0,)	(0,)	(0,)		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,)	(0,)	(0,)		
SPL INPUT AT STD	REV, ALPHA 12273	50	91.2	89.7	97.6	91.4	92.9	93.2	95.6	98.3	99.3	104.1	105.3	113.5	116.5	111.1			165.7	
		63	93.1	93.3	94.3	92.5	93.2	94.1	97.0	99.0	100.4	102.2	105.0	113.4	112.8	111.6			164.4	
NO EGA		80	94.3	93.7	93.2	92.2	93.2	93.7	96.6	98.6	101.4	103.4	107.7	113.3	114.9	113.8			165.6	
RDC, NO, 0,		100	93.0	93.9	93.9	94.3	95.0	95.3	96.9	100.1	101.8	105.8	107.7	112.0	110.5	112.2			164.1	
RADIAL 32G, FT,	(98. M)	125	94.3	92.1	94.0	93.7	94.3	93.4	97.7	99.8	102.1	106.1	107.5	111.2	108.6	107.7			163.1	
VEHICLE JENOTS		160	93.2	92.9	94.1	93.5	94.7	95.9	97.9	99.9	101.4	105.4	107.6	109.2	105.9	104.7			161.9	
PCNFIS JE*060		200	91.8	93.7	93.2	94.0	95.3	96.0	98.0	100.2	101.8	104.7	106.1	108.2	104.4	102.7			161.1	
LOC EVENDALE		250	93.1	92.8	92.5	95.2	96.0	96.6	98.0	100.3	101.7	104.4	105.4	108.0	103.8	102.0			160.9	
DATE 05-08-75		315	92.5	93.3	93.5	93.2	95.1	95.9	97.7	99.9	102.5	104.3	105.0	107.9	103.9	100.7			160.7	
RUN DBTF-MODEL 4		450	92.3	93.4	94.3	94.7	95.6	96.9	98.3	100.4	102.6	104.6	104.9	107.9	104.6	100.6			161.0	
TAPE X40250		500	90.9	92.7	93.0	94.3	95.7	97.3	98.4	100.7	102.8	103.4	104.1	107.6	103.3	99.8			160.6	
BAR 29.5 HG		630	90.8	92.0	92.9	94.1	95.8	97.4	99.1	101.5	104.1	103.8	104.2	107.6	103.3	98.4			161.0	
199448, N/42)		800	90.6	92.4	93.8	95.7	97.0	98.3	99.5	101.7	104.4	103.0	102.9	106.8	101.9	96.7			160.7	
TAMB 69, DEG F		1000	89.9	92.5	94.2	95.7	97.7	98.5	98.9	101.9	105.0	102.3	102.4	104.2	99.8	95.6			160.4	
(294, DEG K)		1250	88.9	91.3	93.1	95.2	97.1	98.0	98.9	102.7	104.5	101.3	100.5	101.9	98.3	93.4			159.6	
THET 56, DEG F		1600	87.1	90.2	92.5	94.2	96.6	96.9	99.2	101.8	102.2	100.0	98.9	99.9	95.8	91.5			158.4	
(286, DEG K)		2000	85.2	88.5	91.0	92.8	94.7	95.7	97.9	99.9	100.9	97.8	95.9	97.5	93.0	88.8			156.8	
HACT 6, GM/M3		2500	82.9	86.9	88.9	90.9	91.9	93.1	95.5	97.3	98.2	94.0	93.6	94.6	90.1	85.9			154.5	
1, KG/M3)		3150	80.4	84.3	86.8	88.7	90.0	90.5	92.4	94.9	94.9	91.9	89.4	91.0	87.4	83.1			152.1	
FREQ. SHIFT		4000	76.4	80.7	83.2	85.2	85.7	87.3	89.3	91.0	90.7	88.4	86.0	87.7	84.7	79.9			149.2	
JET 9		5000	74.4	77.9	80.1	81.9	83.2	83.5	85.5	87.1	87.7	84.5	82.7	84.9	82.9	80.1			146.3	
DIAMETER RATIO		6300	70.6	73.3	76.0	77.6	79.2	79.5	81.5	83.5	84.2	82.4	82.4	86.1	84.7	82.0			145.1	
DF/DM 8.00		8000	69.1	68.8	71.4	73.6	77.7	76.9	79.2	81.0	80.7	83.4	83.9	87.9	87.1	84.6			146.9	
		10000	69.1	66.0	67.0	69.0	78.8	77.4	79.4	80.1	77.8	84.8	86.3	90.3	89.8	86.8			151.1	
OVERALL RAL CALATED			104.2	104.9	106.3	106.6	108.0	109.0	110.6	113.2	115.0	116.1	117.4	121.8	121.3	119.3			174.6	
	PNDP		110.8	113.0	114.7	116.0	117.7	118.5	120.4	122.7	123.9	123.0	123.0	126.0	123.4	121.1				

Repeat of 425

ORIGINAL PAGE IS
 OF FOUR QUANTITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)
		(0.87)	(1.11)	(1.36)	(1.61)	(1.86)	(2.11)	(2.36)	(2.61)	(2.86)	(3.11)	(3.36)	(3.61)	(3.86)	(4.11)	(4.36)	(4.61)
NO EGA	50	67.3	68.1	77.5	72.5	74.7	75.4	77.9	80.5	81.1	85.1	85.2	91.9	92.6	83.8		
SIDELINE 2403. FT.	63	69.1	71.7	74.2	73.5	75.0	76.3	79.3	81.1	82.2	83.2	84.9	91.7	88.9	84.1		
(731.52 M)	80	70.3	72.0	73.1	73.2	74.9	75.9	78.9	80.7	83.1	84.4	87.6	91.6	90.9	86.2		
NFA 0. RPM	100	68.8	72.1	73.7	75.1	76.6	77.3	79.1	82.2	83.4	86.6	87.5	90.2	86.3	84.4		
(0. RAD/SEC)	125	70.0	70.2	73.7	74.5	75.8	77.4	79.8	81.8	83.7	86.9	87.1	89.2	84.3	79.6		
NFK 0. RPM	150	68.7	70.8	73.6	74.2	76.2	77.8	79.9	81.8	82.9	86.1	87.1	87.1	81.4	76.3		
(0. RAD/SEC)	200	67.0	71.4	72.5	74.5	76.6	77.7	79.9	82.0	83.1	85.3	85.5	85.9	79.6	74.0		
KFD 0. RPM	250	68.0	70.3	71.7	75.5	77.1	78.2	79.8	81.9	82.9	84.7	84.6	85.4	78.7	72.8		
(0. RAD/SEC)	315	67.0	70.4	72.4	73.3	76.0	77.3	79.2	81.3	83.5	84.5	83.9	85.0	78.3	70.9		
AIRFLOW RATIO	400	66.2	70.1	72.8	74.6	76.3	78.0	79.6	81.5	83.2	84.5	83.5	84.6	78.5	70.0		
WF/KM 8.00	500	64.2	68.9	71.2	73.8	76.0	78.2	79.4	81.6	83.2	82.9	82.2	83.8	76.6	68.1		
	630	63.1	67.6	70.5	73.1	75.7	77.8	79.7	82.0	84.0	82.8	81.8	83.2	75.7	65.4		
	800	61.8	67.1	70.7	74.1	76.3	78.2	79.5	81.6	83.7	81.4	79.8	81.4	73.2	62.0		
VEHICLE JENOTS	1000	59.8	66.1	70.3	73.4	76.4	77.8	78.4	82.1	83.6	80.0	78.4	77.8	69.7	58.9		
CCNFIG JENOTS	1250	57.1	63.7	68.1	71.9	74.9	76.5	77.5	81.1	82.4	78.0	75.5	74.2	66.5	54.2		
LOC EVENDALE	1600	52.9	60.7	66.0	69.6	73.2	74.2	76.7	79.1	78.8	75.4	72.4	70.4	61.6	48.7		
DATE 05-08-75	2000	48.1	56.8	62.6	66.6	69.9	71.7	74.0	75.8	76.1	71.6	67.6	65.8	55.9	41.7		
RUN DBTF-MODEL 4	2500	41.6	52.0	57.9	62.4	65.0	67.1	69.7	71.3	71.2	66.4	62.6	59.7	48.8	32.5		
TARE X40250	3150	32.3	44.3	51.6	56.5	59.7	61.2	63.5	65.6	64.6	59.8	54.2	51.0	39.3	19.6		
FAN TIP SPEED	4000	18.2	33.0	41.7	47.5	50.4	53.3	55.8	57.0	55.4	50.7	44.5	39.9	26.6	1.3		
FT/SEC	5000	10.4	25.7	34.9	41.0	45.0	46.8	49.2	50.4	49.5	43.6	37.5	32.7	18.9			
	6300		8.0	20.0	27.2	32.4	34.6	37.3	38.6	37.4	32.1	26.4	20.8	3.5			
	8000				8.9	17.7	19.6	22.6	23.6	20.7	18.6	11.3	2.5				
	10000					0.5	2.6	5.8	5.4								
OVERALL CALCULATED		78.9	81.7	84.8	85.9	88.0	89.4	91.3	93.6	95.1	96.1	96.5	99.5	97.0	91.5		
PNDB		80.6	85.2	88.7	91.3	94.1	95.5	97.7	100.0	100.7	100.2	99.3	100.5	95.6	89.2		

Run 26

784

Repeat of 425

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)	(0.0)	(0.0)
SPL INPUT AT STD																			
REV: ALPHA 12/73	FREQ.	50	53.8	54.1	59.8	59.7	62.2	62.2	63.9	65.0	65.6	67.1	64.7	68.4	69.9	65.3			
		63	52.9	56.4	59.5	58.8	60.5	61.8	65.5	64.6	66.4	66.7	66.4	70.7	69.4	64.4			
SIDELINE 2400 FT		80	53.5	57.7	60.3	59.4	61.9	62.6	65.4	66.2	66.6	66.4	66.8	68.6	67.9	65.0			
(731.52 M)		100	54.3	58.1	59.7	61.1	62.6	63.3	64.9	66.2	66.9	68.4	69.2	68.9	66.5	63.9			
NFA 0 RPM		125	55.0	56.9	60.9	62.0	64.1	64.4	65.8	66.8	67.2	69.1	67.6	68.2	65.0	59.1			
(0 RAD/SEC)		160	54.4	57.3	61.1	61.7	63.2	63.5	65.9	66.5	66.4	67.6	67.9	66.6	63.6	55.8			
NFK 0 RPM		200	54.2	58.6	60.5	61.5	63.1	64.7	66.2	67.0	66.6	67.3	66.9	66.4	61.0	53.7			
(0 RAD/SEC)		250	55.4	57.7	59.4	62.3	64.4	65.0	65.8	67.2	66.9	66.2	66.3	65.4	59.2	53.0			
NFD 0 RPM		315	54.0	58.6	60.4	61.1	63.3	64.6	66.2	67.8	67.2	67.4	66.1	64.0	57.6	50.9			
(0 RAD/SEC)		400	53.7	59.8	61.6	63.5	65.3	66.2	67.6	68.3	67.5	68.2	66.0	63.3	57.5	50.4			
AIRFLOW RATIO		500	52.4	59.1	62.1	64.3	66.2	67.9	68.9	70.3	69.4	69.4	66.5	62.0	55.6	49.1			
WF/HM 8.00		630	51.1	57.8	61.2	62.9	65.0	66.8	67.9	68.7	68.0	68.0	65.1	60.7	54.1	47.1			
		800	48.3	56.0	59.7	61.5	64.0	64.9	65.3	66.8	65.9	66.1	63.1	58.2	52.6	44.2			
VEHICLE JENOTS		1000	46.5	55.6	59.3	60.6	61.9	62.3	62.3	64.1	64.3	64.4	61.4	56.0	50.7	43.1			
CONFIG JE-060		1250	44.8	53.9	57.5	59.8	61.4	60.7	60.7	62.3	63.6	64.2	59.5	53.7	48.7	40.9			
LCC EVENDALE		1600	41.8	53.6	58.2	59.3	59.9	59.1	59.6	60.5	61.5	62.1	57.3	51.8	46.6	37.6			
DATE 05-08-75		2000	38.0	51.0	54.8	56.3	57.8	56.3	57.2	58.2	59.0	59.5	55.0	48.7	43.5	32.6			
RUN DBTE=MODEL 4		2500	32.7	46.9	51.5	53.1	53.7	52.0	52.9	54.4	55.4	55.6	50.7	44.8	38.7	25.4			
TAPE X40320		3150	24.2	40.7	45.5	47.9	47.8	46.4	47.6	49.0	49.5	49.1	43.8	37.9	30.5	14.5			
FAN TIP SPEED		4000	10.3	29.3	35.8	38.8	39.0	39.1	39.6	41.9	41.2	40.8	34.8	27.3	17.9				
FT/SEC		5000	1.5	21.8	29.2	32.6	33.6	31.9	34.0	35.5	35.1	34.2	27.1	19.1	8.4				
		6300		4.3	14.1	19.3	20.8	20.2	23.8	24.9	23.3	22.4	22.7	3.6					
		8000				0.7	4.0	4.1	11.2	11.4	7.3	7.7							
OVERALL CALCULATED		10000	64.9	69.5	72.4	73.7	75.5	76.4	77.8	78.8	78.7	79.3	78.0	77.9	75.9	71.4			
PNDB			67.2	74.5	78.3	79.8	81.3	82.0	83.1	84.4	84.1	84.4	81.7	78.8	73.6	67.1			

SPL INPUT AT STD	REV, ALPHA 12/73	FREQ.	30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	PWL
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.1)	(0.1)	(0.1)	
NO EGA		50	82.2	80.5	87.6	83.4	85.4	85.7	87.1	88.3	90.3	92.8	92.0	98.0	101.2	97.9				151.7
RDG, NO, 0		63	82.6	83.8	85.8	84.5	85.7	86.4	89.2	90.0	91.2	92.7	95.0	99.6	100.3	97.6				152.2
RADIAL 320, FY,		80	83.3	85.2	86.2	84.9	86.7	86.2	88.8	90.4	92.2	93.2	95.7	99.6	99.6	99.0				152.5
(98. 4)		100	84.0	85.7	86.4	86.8	87.8	87.5	88.9	90.9	92.8	95.5	97.7	98.5	97.7	97.0				152.5
VEHICLE JENOTS		125	85.6	85.1	87.3	86.4	88.0	88.4	90.4	91.1	92.9	96.3	97.2	98.2	95.6	93.2				152.1
CONFIG JE*090		180	85.2	86.4	87.4	87.3	88.2	88.7	90.9	92.2	92.7	96.1	98.1	98.2	94.9	91.7				152.3
LOC EVENDALE		230	85.3	87.2	87.2	87.2	88.6	89.7	91.3	92.5	93.3	96.0	97.1	97.8	94.1	90.7				152.0
DATE 05-08-75		250	86.3	86.8	87.0	89.2	89.7	90.3	91.5	92.6	94.0	96.1	97.2	97.2	93.8	90.8				152.3
RUN CBTF=MODEL 4		315	85.8	88.0	87.7	87.5	89.3	90.2	92.2	93.2	94.8	97.1	96.2	96.4	92.9	90.2				152.3
TAPE X40340		400	85.8	88.4	88.5	90.2	91.3	92.3	92.8	94.1	95.6	97.9	96.7	96.1	93.8	90.9				153.2
BAR 29.5 HG		500	84.7	88.7	89.0	90.8	92.7	93.6	94.9	96.0	96.6	98.4	96.1	95.3	92.8	90.8				153.9
{99448, N/M2}		630	85.3	90.0	89.9	91.9	93.5	94.3	95.5	97.0	98.1	100.0	96.0	95.6	93.3	90.9				154.9
TAMB 65, DEG F		800	85.1	90.1	90.8	92.4	93.5	94.3	95.5	95.9	97.9	99.7	95.9	95.0	93.2	90.7				154.7
(291, DEG K)		1000	84.7	89.2	90.5	92.7	93.7	94.0	94.7	96.6	97.7	98.8	95.4	94.2	92.8	91.1				154.3
THET 54, DEG F		1250	84.1	88.6	90.8	92.6	92.8	93.7	94.1	95.7	98.3	98.5	94.8	93.1	91.3	90.7				154.3
(285, DEG K)		1600	83.1	88.4	91.0	92.2	93.1	92.8	93.6	95.7	96.2	97.0	93.7	91.4	90.3	88.5				153.5
HACT 0, GM/M3		2000	82.2	87.5	90.0	91.5	92.9	92.7	92.8	94.3	94.6	94.7	91.4	89.2	87.9	87.0				152.4
{ KG/M3}		2500	81.3	87.4	89.3	91.6	92.6	91.8	92.0	92.5	92.6	92.1	89.0	86.8	86.1	85.1				151.3
FREQ, SHIFT		3150	79.3	85.5	87.8	90.9	92.4	92.4	92.3	91.6	90.3	89.6	86.6	84.5	84.3	82.5				150.9
JET 9		4000	75.5	81.3	83.6	86.6	87.9	90.0	90.5	90.0	88.1	87.3	84.5	82.1	81.6	78.8				149.0
DIAMETER RATIO		5000	72.6	77.8	80.0	83.1	83.4	84.4	86.4	86.8	85.7	84.7	80.7	79.1	78.3	76.9				145.7
DF/CM 8.00		6300	69.2	73.4	75.9	79.0	78.4	79.4	81.7	82.9	82.2	82.8	78.8	78.3	77.1	74.5				143.2
		8000	67.5	69.4	72.1	74.3	74.6	75.3	76.8	79.6	78.9	82.2	76.6	77.8	77.5	75.3				142.4
		10000	67.5	66.1	67.4	69.4	71.4	71.3	73.1	79.3	76.5	84.0	76.5	79.5	79.0	76.7				144.9
OVERALL CALCULATED			97.2	100.4	101.6	103.0	104.2	104.6	105.6	106.8	107.9	109.6	108.4	109.1	108.3	106.1				166.0
PWDB			106.5	111.0	112.8	114.7	116.0	116.3	116.9	117.4	117.8	118.8	116.3	119.4	114.1	112.2				

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ORIGINAL PAGE IS
 OF FOUR QUANTUM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM., DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,
SPL INPUT AT STD		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0,	(0,
REV, ALPHA 12/73		50	58,3	58,9	67,5	64,5	67,2	67,9	69,4	70,5	72,1	73,9	72,0	76,4	77,4	70,6	
NO EGA		63	58,6	62,2	65,7	65,5	67,5	68,5	71,5	72,1	72,9	73,7	74,9	78,0	76,4	70,1	
SIDELINE 2400, FT		80	59,3	63,5	66,1	65,9	68,4	68,4	71,1	72,5	73,9	74,2	75,6	77,8	75,6	71,5	
(731.52 M)		100	59,8	63,8	66,2	67,6	69,4	69,6	71,1	72,9	74,4	76,4	77,5	76,7	73,5	69,2	
NFA 0, RPM		125	61,2	63,2	66,9	67,2	69,6	70,4	72,5	73,1	74,4	77,1	76,9	76,2	71,3	65,1	
(0, RAD/SEC)		150	60,7	64,3	66,9	68,0	69,7	70,5	72,9	74,0	74,1	76,8	77,6	76,1	70,4	63,3	
NFK 0, RPM		200	60,5	64,9	66,5	67,8	69,9	71,5	73,2	74,2	74,6	76,5	76,5	74,6	69,3	62,0	
(0, RAD/SEC)		250	61,2	64,3	66,2	69,5	70,9	72,0	73,3	74,2	75,1	76,5	76,3	74,7	68,7	61,5	
NFD 0, RPM		315	60,2	65,2	66,6	67,6	70,3	71,6	73,7	74,6	75,7	77,2	75,1	73,5	67,3	60,4	
(0, RAD/SEC)		400	59,7	65,1	67,1	70,0	72,0	73,5	74,1	75,3	76,2	77,7	75,2	72,8	67,7	60,2	
AIRFLOW RATIO		500	57,9	64,9	67,1	70,3	73,0	74,4	75,9	76,8	76,9	77,9	74,2	71,5	66,1	59,1	
WF/KM 8,00		630	57,6	65,6	67,5	70,9	73,5	74,8	76,1	77,5	78,0	79,0	73,6	71,2	65,6	57,9	
		800	56,3	64,8	67,7	70,8	72,8	74,2	75,5	75,8	77,2	78,1	72,8	69,7	64,4	56,0	
VEHICLE JENOTS		1000	54,6	62,9	66,3	70,3	72,4	73,3	74,1	75,9	76,4	76,5	71,4	67,8	62,7	54,4	
CONFIG JEN050		1250	52,3	60,9	65,8	69,4	70,7	72,2	72,8	74,1	76,1	75,2	69,7	65,5	59,5	51,5	
LOC EVENDALE		1600	48,9	58,9	64,4	67,6	69,7	70,1	71,2	73,0	72,8	72,4	67,1	61,9	56,1	45,6	
DATE 65-08-75		2000	45,0	55,8	61,6	65,3	68,1	68,6	69,0	70,3	69,8	68,6	63,0	57,5	50,8	39,9	
RUN DBTF-MQOBL 4		2500	40,0	52,5	58,3	63,1	65,7	65,8	66,2	66,5	65,7	63,6	58,0	51,9	44,8	31,7	
TARE X40340		3150	31,3	45,5	52,6	58,7	62,1	63,2	63,4	62,3	60,0	57,4	51,4	44,4	36,3	19,0	
FAN TIP SPEED		4000	17,4	33,6	42,1	48,9	52,6	56,0	57,0	56,0	52,8	49,6	42,9	34,4	23,5	0,2	
FT/SEC		5000	8,6	25,9	34,8	42,2	45,2	47,7	50,1	50,1	47,4	43,8	35,4	26,9	14,3		
		6300		8,1	19,9	28,7	31,6	34,5	37,4	38,0	35,4	32,5	22,8	13,0			
		8000				9,5	14,6	18,0	20,3	22,3	18,9	17,5	4,0				
		10000								4,6							
OVERALL CALCULATED			20,9	75,8	78,8	81,0	83,1	84,2	85,6	86,7	87,5	88,6	87,0	86,5	83,5	77,5	
PNDB			73,9	80,8	85,0	88,1	90,6	91,5	92,6	93,8	93,9	94,3	91,0	88,6	83,3	75,4	

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC: DATE = MONTH 64 DAY 0 HR, 0:0
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL, 104, DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)		
SPL INPUT AT STD																				
REV, ALPHA 12/73	FREQ.																			
	50	81.9	80.0	83.6	82.4	84.4	84.2	85.8	87.8	89.3	92.1	91.5	97.3	100.7	99.1				151.3	
NO EGA	63	81.8	82.3	84.1	82.3	84.0	84.9	87.2	88.2	90.4	91.4	93.5	99.6	100.8	97.6				151.9	
RDG, NO. C.	80	82.8	84.2	84.7	82.4	84.9	84.5	87.6	88.9	90.4	91.4	93.9	98.3	98.9	97.0				151.1	
RADIAL 320, FT.	103	82.7	85.7	84.6	85.3	85.8	85.5	87.4	89.9	91.5	94.3	96.0	97.8	96.7	96.5				151.3	
(98, M)	125	84.3	83.6	85.3	85.1	86.0	86.7	87.9	89.1	90.9	93.6	95.0	95.9	94.6	91.9				150.1	
VEHICLE JENOTS	160	84.0	84.7	86.1	85.5	86.5	87.2	88.9	89.9	90.7	93.1	95.6	97.0	93.2	89.4				150.3	
CONFIG JEM060	230	83.3	86.2	85.9	86.5	87.1	88.2	89.0	90.5	91.1	92.7	94.8	95.5	92.4	88.5				150.0	
LCC EVENDALE	290	85.6	85.6	85.3	87.4	88.7	88.9	89.5	90.6	91.5	92.9	94.4	95.0	91.3	88.8				150.0	
DATE 95-08-75	315	84.6	87.1	86.7	86.5	88.1	88.9	89.9	91.4	92.3	93.6	93.5	94.2	90.4	88.2				150.0	
RLN DBTF MODEL 4	400	84.8	87.9	87.8	89.5	90.6	91.1	92.0	92.6	92.6	94.4	93.7	93.6	90.8	90.4				151.0	
TAPE X40360	500	84.5	88.2	89.0	90.3	92.2	93.1	93.9	95.0	94.6	95.9	93.8	92.8	90.6	88.8				152.4	
BAR 29.4 HG	630	85.0	89.0	90.4	91.9	92.8	93.9	94.3	94.8	95.4	96.5	93.7	92.9	90.3	89.1				152.9	
(99144, N/42)	800	83.8	88.7	90.1	92.0	93.2	93.1	93.0	94.0	94.6	96.5	93.2	92.3	90.2	88.7				152.5	
TAMB 66, DEG F	1000	83.7	89.3	90.5	91.5	92.5	92.8	92.0	93.4	94.0	96.4	93.2	91.7	90.1	90.1				152.2	
(292, DEG K)	1250	83.4	88.8	90.6	92.2	92.9	91.6	91.2	93.0	94.6	95.3	92.6	90.7	90.6	90.2				152.0	
TWRT 54, DEG F	1600	83.4	89.0	91.3	92.8	93.2	91.9	91.5	92.6	93.5	94.6	91.5	89.2	88.9	88.8				151.9	
(285, DEG K)	2000	83.7	89.8	91.8	92.9	93.5	92.8	91.7	91.9	92.7	93.3	90.0	87.8	87.8	87.1				151.8	
HACT 0, GM/M3	2500	83.7	90.2	91.7	94.0	94.3	93.0	92.3	91.6	92.2	91.2	88.9	86.4	86.7	86.0				152.1	
(1, KG/M3)	3150	81.2	87.9	90.4	92.5	93.0	93.5	93.2	92.7	91.2	89.7	86.9	84.8	84.7	84.1				152.0	
FREQ, SHIFT	4000	76.6	83.2	84.7	87.9	88.5	90.3	91.4	91.1	89.7	88.7	85.1	82.4	82.0	80.4				150.0	
JET 9	5000	73.7	79.8	81.4	83.7	84.0	84.5	86.0	86.9	86.5	85.8	82.5	80.2	78.4	77.6				146.2	
DIAETER RATIO	6300	70.0	74.7	77.2	79.3	79.5	80.8	81.8	82.5	82.2	83.6	79.4	78.3	77.7	74.5				143.6	
DE/DN 8.00	8000	68.2	70.4	72.6	75.0	74.8	77.9	79.8	79.7	78.6	82.3	77.1	78.8	77.0	75.0				143.1	
	10000	68.5	67.4	68.2	70.2	72.2	77.8	80.1	79.8	76.5	83.5	76.8	80.8	76.5	76.7				145.9	
OVERALL CALCULATED		96.6	100.4	101.7	103.1	103.9	103.9	104.2	105.0	105.6	107.0	106.3	107.7	107.4	105.5				164.6	
PND8		107.3	112.4	113.8	115.6	116.2	116.5	116.6	116.9	116.6	117.0	115.0	114.2	113.4	112.1					

ORIGINAL PAGE IS
 OF FOUR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STD REV. ALPHA 12273	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	(0)
NO EGA	50	58.1	58.4	63.5	63.5	66.2	66.4	68.2	70.0	71.1	73.1	71.5	75.7	76.9	71.8				
SIBELINE 2400, FT	63	57.9	63.7	64.0	63.3	65.7	67.0	69.5	70.4	72.2	72.5	73.4	78.0	76.9	70.1				
(731.52 M)	80	58.8	62.5	64.6	63.4	66.7	66.6	69.9	71.0	72.1	72.4	73.8	76.6	74.9	69.5				
NFA 0, RPM	100	58.5	63.8	64.4	66.1	67.4	67.6	69.6	71.9	73.2	75.1	75.7	75.9	72.5	68.7				
(0, RAD/SEC)	125	60.0	61.7	64.9	66.0	67.6	68.7	70.0	71.1	72.4	74.4	74.6	73.9	70.3	63.9				
NFK 0, RPM	150	59.4	62.6	65.6	66.2	67.9	69.1	70.9	71.8	72.1	73.8	75.1	74.9	68.8	61.1				
(0, RAD/SEC)	200	58.5	63.9	65.3	67.0	68.4	70.0	70.9	72.2	72.4	73.3	74.2	73.1	67.6	59.7				
NFD 0, RPM	250	60.5	63.0	64.4	67.8	69.9	70.5	71.3	72.2	72.6	73.2	73.6	72.4	66.2	59.5				
(0, RAD/SEC)	315	59.0	64.2	65.6	66.6	69.0	70.3	71.5	72.8	73.2	73.7	72.4	71.3	64.9	58.4				
AIRFLOW RATIO	400	58.7	64.6	66.3	69.3	71.3	72.2	73.3	73.8	73.2	74.2	72.2	70.3	64.7	59.7				
WF/WB 8.00	500	57.7	64.4	67.2	69.8	72.5	73.9	74.9	75.8	74.9	75.4	72.0	69.0	63.8	57.1				
	630	57.4	64.6	68.0	70.9	72.7	74.3	74.9	75.2	75.3	75.5	71.4	68.4	62.7	56.2				
	800	55.1	63.3	67.0	70.3	72.6	72.9	73.1	73.9	74.0	74.9	70.1	67.0	61.4	54.0				
VEHICLE JENOTS	1000	53.6	62.9	66.6	69.1	71.2	72.1	71.4	72.7	72.7	74.0	69.2	65.4	60.0	53.5				
CONFIG JE-060	1250	51.6	61.2	65.6	68.9	70.7	70.0	69.8	71.4	72.4	72.1	67.6	63.0	58.8	51.0				
LCC EVENDALE	1600	49.2	59.5	64.8	68.2	69.8	69.2	69.0	69.9	70.1	70.0	65.0	59.7	54.7	46.0				
DATE 05-08-75	2000	46.6	58.1	63.4	66.7	68.7	68.7	67.8	67.9	67.9	67.2	61.6	56.1	50.7	40.0				
RUN DBTF-MODEL 4	2500	42.4	55.3	60.7	65.5	67.3	66.9	66.6	65.6	65.3	62.7	57.9	51.5	45.4	32.6				
TARE X40360	3150	33.1	47.9	55.2	60.3	62.7	64.3	64.3	63.4	60.9	57.6	51.7	44.8	36.6	20.7				
FAN TIP SPEED	4000	18.5	35.5	43.2	50.3	53.2	56.3	57.8	57.1	54.4	51.0	43.5	34.7	23.8	1.8				
FT/SEC	5000	9.7	27.4	36.1	42.8	45.8	47.8	49.7	50.1	48.3	44.9	37.3	28.0	15.4					
	6300		9.5	21.2	29.0	32.7	35.9	37.5	37.6	35.4	33.3	23.3	13.0						
	8000				10.3	14.9	20.5	23.3	22.3	18.7	17.5	4.5							
	10000						3.1	6.5	5.1										
OVERALL CALCULATED		70.0	75.1	78.0	80.3	82.4	83.1	83.9	84.8	85.1	85.9	84.8	85.2	82.7	77.0				
PND8		73.3	80.9	85.2	88.7	90.7	91.1	91.4	91.7	91.7	91.7	88.7	86.5	81.3	74.4				

: PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY = JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIAN)																PHL		
SPL INPUT AT STD REV. ALPHA 12/73		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PHL	
		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	
NO EGA		50	82.17	83.7	85.6	83.4	85.4	85.2	86.8	88.6	90.6	93.8	92.8	98.0	101.7	99.4				152.2
DEG. NO. 0.		63	82.3	83.3	85.3	83.8	85.5	86.4	88.5	89.5	91.2	92.9	94.5	99.9	100.6	97.6				152.3
RADIAL 320. FT.		80	83.3	84.5	85.2	84.2	85.5	85.8	88.4	89.9	92.4	93.5	96.0	98.8	99.7	97.6				152.2
(98. M)		100	83.7	85.9	85.6	85.8	87.0	86.8	88.7	91.4	92.5	95.3	97.2	98.0	97.5	96.5				152.2
VEHICLE JENOTS		125	84.8	83.9	85.5	85.9	87.0	88.2	89.7	90.6	92.4	95.8	96.7	96.9	95.1	92.2				151.5
CONFIG JE=060		160	84.0	84.9	86.4	86.0	87.5	87.7	89.9	91.2	92.9	95.6	97.1	97.2	93.2	90.2				151.5
LOC EVENDALE		200	83.3	86.0	86.2	86.5	87.6	89.0	90.0	92.0	93.1	95.0	95.8	95.5	92.1	88.2				151.0
DATE 05-08-75		250	85.1	85.3	85.5	87.7	88.5	89.6	90.5	92.1	93.5	95.4	95.7	95.3	91.6	89.0				151.2
RUN CBTF-MODEL 4		315	84.1	86.3	86.8	87.0	88.1	89.7	90.7	92.9	94.8	96.1	94.8	94.2	91.2	88.0				151.4
TAPE X40370		400	83.4	86.4	87.1	88.5	89.6	90.6	91.6	93.7	94.9	97.4	95.0	93.9	91.1	89.9				152.0
BAR 29.3 HG		500	82.5	86.5	87.6	88.6	90.5	92.2	93.0	94.5	96.9	97.5	94.4	93.4	90.4	88.6				152.7
(99J43, N/M2)		630	83.6	87.1	88.2	89.4	91.9	93.4	94.9	96.6	98.7	98.8	94.3	93.5	90.6	88.2				154.1
TAMB 72. DEG F		800	82.9	87.8	89.2	91.5	92.8	94.4	95.1	96.6	99.5	98.6	94.6	93.1	90.8	88.0				154.5
(295, DEG K)		1000	82.6	87.4	89.1	91.4	93.1	93.9	94.6	97.3	99.1	98.5	93.5	91.6	90.2	88.2				154.4
TWET 56. DEG F		1250	82.1	87.3	90.3	91.9	93.1	93.7	95.1	97.9	99.3	97.3	93.3	90.9	89.3	87.7				154.3
(286, DEG K)		1600	81.4	88.2	91.0	92.0	92.9	92.6	95.2	97.8	98.5	96.3	92.5	89.7	88.4	88.0				152.9
HACT J, GM/M3		2000	80.3	86.8	90.6	91.6	92.0	91.8	93.2	95.9	96.9	94.6	90.2	88.0	88.0	87.4				150.9
(, KG/M3)		2500	77.7	84.5	88.2	89.5	89.3	88.7	91.4	93.9	94.7	91.7	88.2	85.7	84.7	83.5				148.4
FREQ. SHIFT		3150	74.0	81.2	84.4	85.8	85.3	86.3	88.7	91.2	91.5	89.3	85.2	83.1	81.5	79.9				145.6
JET 9		4000	70.7	77.7	80.0	81.7	81.8	83.9	86.2	87.4	87.0	86.2	82.6	79.7	78.8	76.7				142.9
DIAMETER RATIO		5000	68.7	74.9	77.9	78.9	79.8	79.6	82.8	84.2	84.0	82.8	78.8	77.2	76.9	74.6				141.3
DE/DN 8.00		6300	67.0	71.7	74.0	75.5	75.4	76.0	80.0	80.9	80.7	81.3	76.6	77.1	76.4	73.3				142.2
OVERALL CALCULATED		8000	67.4	68.6	70.0	71.7	72.2	72.0	79.0	79.3	77.8	82.4	76.5	77.9	77.9	75.2				145.8
PNDB		10000	68.4	66.8	67.3	68.1	71.1	70.2	79.7	79.9	76.6	84.1	76.9	80.1	80.1	77.1				145.5
			95.7	98.7	100.5	101.7	102.8	103.6	105.1	107.2	108.8	108.9	107.3	108.0	107.7	105.5				
			104.1	109.0	111.6	112.7	113.4	113.8	115.7	117.8	118.9	118.2	115.1	114.0	112.9	111.2				

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		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD REV. ALPHA 12/73		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.
FREQ.		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)
NO EGA	50	58.8	59.1	63.5	64.5	67.2	67.4	69.2	70.8	72.3	74.9	72.7	76.4	77.9	72.1		
SIDELINE 2400. FT	63	58.4	61.7	65.2	64.8	67.2	68.5	70.8	71.6	72.9	74.0	74.4	78.2	76.6	70.1		
(731.52 M)	80	59.3	62.7	65.1	65.2	67.2	67.9	70.6	72.0	74.1	74.4	75.8	77.1	75.6	70.0		
NFA	100	59.5	64.1	65.4	66.7	68.6	68.8	70.9	73.4	74.2	76.2	77.0	76.2	73.3	68.7		
(0. RPM	125	61.5	61.9	65.2	66.7	68.6	70.2	71.8	72.6	73.9	76.7	76.4	75.0	70.8	64.2		
(0. RAD/SEC)	160	59.4	62.8	65.9	66.7	68.9	69.6	71.9	73.1	74.4	76.3	76.6	75.1	68.6	61.8		
NFK	200	58.5	63.7	65.5	67.0	68.9	70.8	71.9	73.8	74.4	75.5	75.2	73.1	67.3	59.5		
(0. RAD/SEC)	250	60.0	62.8	64.7	68.0	69.6	71.2	72.3	73.7	74.6	75.8	74.8	72.7	66.5	59.8		
NFD	315	58.5	63.4	65.7	67.1	69.1	71.1	72.3	74.3	75.8	76.2	73.7	71.3	65.6	58.2		
(0. RAD/SEC)	400	57.2	63.1	65.6	68.3	70.3	71.8	72.9	74.8	75.5	77.2	73.5	70.6	65.0	59.2		
AIRFLOW RATIO	500	55.7	62.7	65.7	68.1	70.8	73.0	73.9	75.4	77.2	77.0	72.5	69.6	63.6	56.9		
WF/MM 8.00	630	56.0	62.6	65.8	68.4	71.8	73.9	75.5	77.0	78.6	77.8	71.9	69.0	63.0	55.2		
	890	54.2	62.4	66.1	69.9	72.2	74.3	75.1	76.5	78.8	77.0	71.4	67.8	62.0	53.4		
VEHICLE JENOTS	1000	52.5	61.0	65.2	69.0	71.8	73.2	74.0	76.5	77.8	76.1	69.6	65.2	60.1	51.6		
CONFIG JE-090	1250	50.3	59.7	65.3	68.6	70.9	72.2	73.8	76.4	77.1	74.0	68.2	63.2	57.5	48.5		
LOC EVENDALE	1600	47.2	58.7	64.5	67.4	69.5	69.9	72.7	75.1	75.1	71.7	65.9	60.2	54.1	45.2		
DATE 05-08-75	2000	43.1	55.1	62.2	65.4	67.2	67.7	69.4	71.9	72.1	68.4	61.9	56.3	50.9	40.3		
RUN DBTF-MODEL 4	2500	36.4	49.6	57.2	61.0	62.4	62.7	65.6	67.8	67.8	63.3	57.2	50.8	43.4	30.1		
TARE X40370	3150	25.9	41.2	49.2	53.6	55.8	57.1	59.8	62.0	61.2	57.1	50.0	43.1	33.4	18.5		
FAN TIP SPEED	4000	12.5	30.0	38.5	44.1	46.5	49.9	52.6	53.4	51.7	48.5	41.1	32.0	20.6			
FT/SEC	5000	4.7	22.7	32.7	38.0	41.6	42.8	46.5	47.4	45.8	41.9	33.6	25.0	12.9			
	6300		6.4	17.9	25.2	28.6	31.1	35.7	36.0	33.9	31.0	20.6	11.8				
	8000				6.9	12.3	14.6	22.4	21.9	17.8	17.7	3.9					
	10000							6.1	5.2								
OVERALL CALCULATED		69.8	74.4	77.5	79.8	82.1	83.5	85.0	86.8	88.1	88.0	86.1	85.6	83.2	77.2		
PNDB		72.9	79.3	84.1	87.0	89.2	90.3	92.5	94.5	95.1	93.5	89.6	86.8	81.4	74.0		

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM., DAY = JENOTS), PROC. DATE = MONTH 95 DAY 0 HR. 0:8

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0, 0, 0, PWL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	0,	0,	0,
SPL INPUT AT STD		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(0,	(0,	(0,
REV. ALPHA 12/73		50	87.9	86.0	89.8	88.2	89.7	91.8	94.1	96.3	99.3	99.0	105.3	109.7	107.1	107.1	107.1	159.4		
NO EGA		63	89.1	89.3	90.3	88.3	89.5	90.9	92.7	95.0	96.4	97.7	100.2	105.9	107.8	106.1	106.1	158.7		
RDG. NO. 0.		80	89.6	89.5	90.5	88.5	89.7	89.8	93.1	94.9	97.2	98.7	102.5	105.6	108.2	106.3	106.3	159.1		
RADIAL 320, FT.		100	88.2	89.9	90.4	90.3	90.8	91.0	93.4	96.1	97.8	101.0	103.0	104.5	104.7	103.7	103.7	158.2		
(98. M)		125	89.6	88.1	90.0	90.2	90.8	91.9	93.9	95.6	97.6	100.8	102.5	101.7	101.9	98.9	98.9	156.8		
VEHICLE JENOTS		160	88.2	88.9	89.9	89.8	90.5	91.7	94.4	95.9	97.7	100.6	102.6	102.2	98.7	95.9	95.9	156.5		
CCNFIG JE 040		200	87.1	89.5	89.7	90.0	91.1	92.3	94.3	95.7	97.3	99.8	101.8	100.2	96.9	94.0	94.0	155.7		
LOC EVENDALE		250	88.6	88.8	89.0	91.2	92.0	92.9	94.8	95.8	98.2	99.6	100.4	100.0	97.1	93.8	93.8	155.6		
DATE 5-18-75		315	87.6	89.1	89.8	89.5	90.9	92.5	94.7	96.4	99.1	99.6	99.0	99.2	96.9	93.8	93.8	155.3		
RUN CBTF-MODEL 4		400	87.1	89.2	89.3	90.8	91.6	93.1	94.6	96.2	98.6	99.7	99.5	98.7	96.9	95.4	95.4	155.4		
TAPE X40410		500	85.8	88.3	89.1	90.6	92.0	93.7	95.2	97.8	100.6	99.2	98.9	97.9	96.1	94.1	94.1	155.8		
BAR 29.3 HG		630	86.1	88.4	89.5	91.2	92.6	94.7	96.6	99.4	102.4	100.1	98.8	98.5	96.1	93.9	93.9	156.9		
(99043, N/42)		800	86.2	89.5	90.7	92.8	94.8	95.9	97.3	99.8	102.5	99.9	98.3	98.1	96.3	93.3	93.3	157.2		
TAMB 72, DEG F		1000	86.3	89.1	91.1	92.9	95.1	96.4	97.3	100.8	103.1	100.3	97.5	96.6	95.7	93.0	93.0	157.6		
(295, DEG K)		1250	85.6	89.1	92.3	93.9	94.8	95.7	97.4	101.4	103.0	99.5	97.0	95.1	95.1	92.4	92.4	157.6		
THET 56, DEG F		1600	84.4	89.2	92.0	93.7	94.4	95.4	97.7	100.3	101.2	98.6	95.2	93.9	95.1	91.0	91.0	156.7		
(286, DEG K)		2000	81.5	86.8	89.3	91.6	92.8	94.3	95.9	98.4	99.7	96.6	93.5	91.3	90.3	87.9	87.9	155.1		
HACT 0. GM/M3		2500	78.5	84.0	86.5	88.3	90.0	90.5	92.9	95.4	97.0	93.7	90.2	88.2	87.2	84.8	84.8	152.4		
(1, KG/M3)		3150	76.0	82.2	84.7	87.1	88.1	88.6	91.2	93.0	94.0	90.8	86.7	85.9	83.5	83.2	83.2	150.5		
FREQ. SHIFT		4000	72.9	78.7	81.3	84.2	84.8	87.4	89.9	89.6	90.3	87.5	83.6	83.0	83.8	80.4	80.4	148.1		
JET 9		5000	70.9	76.4	79.1	80.7	82.8	83.3	84.8	86.2	87.0	84.6	80.8	82.9	83.1	81.1	81.1	145.6		
DIAMETER RATIO		6300	69.3	73.2	75.2	77.0	79.2	80.5	82.0	83.4	83.4	83.4	77.8	85.3	85.7	83.0	83.0	144.9		
DE/DM 8.00		8000	68.9	69.3	71.2	72.9	78.5	78.2	80.0	81.0	80.5	83.4	76.7	87.2	87.4	85.2	85.2	146.5		
OVERALL CALCULATED		10000	69.2	67.0	68.1	68.6	79.1	78.4	80.5	80.7	78.1	85.1	77.4	89.6	89.6	86.8	86.8	150.5		
PNUB		107.0	101.4	102.8	103.7	105.0	106.2	108.0	110.5	112.5	112.0	112.4	113.8	115.0	112.9	112.9	112.9	169.7		

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.09)	130. (2.27)	140. (2.44)	150. (2.62)	160. (2.79)	0. (0.0)	0. (0.0)	0. (0.0)
NO EGA	50	64.1	64.4	69.8	69.2	71.4	71.9	74.2	76.3	78.1	80.4	79.0	83.7	85.9	79.8			
SIDELINE 2400 FT	63	65.1	67.7	70.2	69.3	71.2	73.0	75.0	77.1	78.2	78.7	80.1	84.2	83.9	78.6			
(731.52 M)	80	65.5	67.7	70.3	69.4	71.4	71.9	75.4	77.0	78.9	79.7	82.3	83.8	84.1	78.7			
NFA 0 RPM	100	64.0	68.1	70.2	71.2	72.4	73.1	75.6	78.2	79.4	81.9	82.7	82.7	80.5	75.9			
(0 RAD/SEC)	125	65.2	66.2	69.7	71.0	72.3	73.9	76.0	77.6	79.2	81.7	82.1	79.7	77.5	70.9			
NFK 0 RPM	150	63.7	66.8	69.4	70.5	71.9	73.6	76.4	77.8	79.1	81.3	82.1	80.1	74.1	67.6			
(0 RAD/SEC)	200	62.2	67.2	69.0	70.5	72.4	74.3	76.2	77.5	78.7	80.3	81.2	77.9	72.1	65.2			
NFD 0 RPM	250	63.5	66.3	68.2	71.5	73.1	74.5	76.5	77.4	79.4	80.0	79.6	77.4	72.0	64.6			
(0 RAD/SEC)	315	62.0	66.2	68.7	69.6	71.8	73.9	76.3	77.8	80.0	79.7	77.9	76.3	71.4	63.9			
AIRFLOW RATIO	400	61.0	65.9	67.9	70.6	72.3	74.3	75.9	77.3	79.3	79.5	78.0	75.4	70.8	64.7			
WF/KM 8.00	500	59.0	64.5	67.2	70.1	72.3	74.5	76.2	78.6	81.0	78.7	77.0	74.1	69.4	62.4			
	630	58.5	63.9	67.1	70.2	72.5	75.1	77.2	79.8	82.3	79.1	76.4	74.0	68.5	61.0			
VEHICLE JENOTS	800	57.4	64.2	67.6	71.2	74.2	75.8	77.4	79.7	81.8	78.2	75.2	72.8	67.5	58.6			
CONFIG JEM060	1000	56.2	62.8	67.2	70.5	73.8	75.7	76.8	80.0	81.8	77.9	73.6	70.2	65.6	56.3			
LCC EVENDALE	1250	53.8	62.4	67.3	70.6	72.7	74.2	76.0	79.9	80.8	76.2	72.0	67.5	63.3	53.2			
DATE 05-08-75	1600	50.2	59.7	65.5	69.1	71.0	72.7	75.2	77.6	77.8	74.0	68.7	64.4	58.9	48.2			
RUN DBTF-MODEL 4	2000	44.4	55.1	61.0	65.4	68.0	70.2	72.1	74.4	74.9	70.4	65.1	59.6	53.2	40.8			
TAPE X40410	2500	37.2	49.1	55.5	59.8	63.1	64.4	67.1	69.3	70.1	65.3	59.2	53.3	45.9	31.3			
FAN TIP SPEED	3150	27.9	42.2	49.5	54.9	57.8	59.3	62.3	63.7	63.7	58.6	51.5	45.9	37.4	19.7			
FT/SEC	4000	14.8	31.0	39.7	46.6	49.5	53.4	54.4	55.6	55.0	49.8	42.1	35.3	25.6	1.9			
	5000	6.9	24.2	33.9	39.8	44.6	46.5	48.5	49.4	48.8	43.7	35.6	30.7	19.1				
	6300		7.9	19.2	26.7	32.4	35.6	37.7	38.5	36.6	33.0	21.8	20.0	4.5				
	8000				8.2	18.5	20.9	23.4	23.7	20.5	18.7	4.1	1.8					
	10000					0.8	3.7	6.9	5.9		0.2							
OVERALL CALCULATED		74.3	77.8	80.8	82.5	84.6	86.2	88.3	90.5	92.1	91.7	91.4	91.5	90.7	85.0			
PND8		75.7	81.5	85.9	89.1	91.3	93.1	95.4	97.6	98.6	96.2	94.3	92.1	88.9	81.4			

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL	
REV. ALPHA 12/73	FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(0.0)	(0.0)
NO EGA	50	73.7	75.2	76.8	78.4	81.9	80.5	81.8	83.6	84.3	83.8	83.3	89.0	92.0	92.1			144.1	
RCG. NO. 0.	63	75.1	75.9	78.1	76.0	77.2	77.9	80.7	80.7	82.2	81.4	84.5	89.9	91.8	93.3			143.8	
RADIAL 320. FT.	80	76.1	77.5	79.2	77.7	79.7	78.8	80.9	81.9	82.9	81.2	85.2	89.3	91.9	94.3			144.2	
(98.4)	100	77.0	79.4	78.4	79.8	80.3	78.8	80.4	83.1	83.9	84.5	88.0	89.8	90.7	93.0			144.9	
VEHICLE JENOTS	125	78.8	77.4	79.3	78.7	79.5	80.7	82.2	83.1	84.1	84.1	86.7	88.7	89.4	89.4			143.4	
CCAFIG JEP060	160	77.2	77.7	78.6	78.5	79.2	79.7	82.2	81.9	83.3	84.1	87.6	89.7	89.2	86.4			143.8	
LCC EVENDALE	250	76.5	78.2	78.2	78.0	79.1	80.2	81.5	82.2	83.1	83.5	87.1	88.0	86.1	83.7			142.2	
DATE 35-08-75	250	78.3	76.8	77.0	78.7	79.7	79.6	80.8	81.6	82.8	82.4	85.9	87.0	84.1	82.0			141.4	
RLN CBTF-MODEL 4	315	73.8	77.1	77.3	78.2	77.6	78.2	79.2	80.9	82.3	81.6	84.3	85.7	82.4	79.2			140.2	
TAPE X40420	400	75.1	75.9	76.3	76.5	77.1	77.9	78.5	80.1	80.6	81.4	83.4	84.4	80.6	77.6			139.3	
EAR 29.4 HQ	500	73.0	74.5	74.8	75.1	75.7	76.9	77.9	79.0	80.6	80.4	82.6	82.3	78.1	75.5			138.1	
(99178, N/M2)	630	72.0	74.0	74.4	74.4	75.6	75.9	77.8	78.9	80.1	80.3	81.7	81.4	77.3	74.6			137.6	
TAMB 73.1 DEG F	800	71.1	73.9	73.8	74.4	75.7	76.3	77.0	78.0	79.4	79.3	80.5	80.3	76.2	73.4			137.0	
(296, DEG K)	1000	70.2	73.5	73.7	74.2	75.2	76.1	76.2	78.1	79.0	78.9	80.6	78.7	75.8	73.8			136.7	
TMET 58.1 DEG F	1250	68.9	72.1	72.6	73.9	74.6	75.0	75.1	77.2	78.5	78.6	81.3	77.9	75.1	73.4			136.4	
(298, DEG K)	1600	67.0	70.4	71.8	72.0	72.9	73.1	73.9	75.5	76.5	77.1	79.0	77.7	74.1	72.0			134.9	
HACT C. GM/M3	2000	64.0	68.3	69.0	69.1	71.0	70.5	71.9	73.4	74.4	74.3	76.2	75.8	71.5	68.6			132.7	
(1, KG/M3)	2500	63.7	66.5	65.9	66.5	67.5	67.4	69.0	70.1	72.4	71.2	73.4	72.4	68.4	65.7			130.1	
FREQ. SHIFT	3150	57.2	66.9	63.4	63.0	63.5	64.0	65.4	67.4	68.7	68.0	68.9	67.8	66.2	62.9			127.2	
JET 9	4000	52.7	62.2	56.8	58.5	59.0	60.6	61.2	63.6	64.5	64.2	65.4	64.7	63.5	59.9			124.1	
DIAMETER RATIO	5000	52.0	61.2	55.4	55.2	57.0	56.6	57.3	61.5	61.3	60.9	61.3	62.7	62.2	59.7			121.7	
DF/CH 8.80	6300	53.4	59.3	52.8	53.1	56.3	54.3	55.8	62.0	60.0	60.2	61.4	64.7	64.0	61.4			123.1	
	8000	55.4	60.1	53.2	53.7	57.8	55.3	57.3	64.8	61.8	61.7	63.5	66.4	66.9	63.9			127.0	
	10000	57.4	59.5	53.8	55.1	58.8	57.2	58.8	66.9	64.1	63.9	65.9	69.7	68.7	65.9			131.8	
OVERALL CALCULATED		87.7	88.3	89.1	89.1	90.3	90.4	91.2	93.1	94.1	94.1	96.8	98.9	99.4	100.2			135.6	
PND8		92.7	95.1	94.8	95.0	96.2	96.3	97.5	99.2	100.1	100.2	102.4	103.1	101.7	101.1				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
REV. ALPHA 12773		FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
NO EGA		50	54.8	53.6	58.8	60.5	63.7	62.7	64.2	65.8	66.1	64.9	63.2	67.4	68.1	64.8			
SIDELINE 2400' FT		63	51.1	54.2	58.0	57.8	59.0	60.0	63.0	62.9	63.9	62.5	64.4	68.2	67.9	65.9			
(73.52°)		80	52.0	55.7	59.1	58.7	61.4	60.9	63.1	64.0	64.6	62.2	65.1	67.6	67.9	66.7			
NFA 0. RPM		100	52.8	57.6	58.2	60.7	61.9	60.8	62.6	65.2	65.2	65.4	67.7	67.9	66.5	65.2			
(0. RAD/SEC)		125	54.5	55.4	58.9	59.5	61.1	62.7	64.3	65.1	65.7	64.9	66.4	66.7	65.0	61.4			
NFK 0. RPM		160	52.7	55.6	58.1	59.2	60.7	61.6	64.2	63.8	64.9	64.8	67.1	67.6	64.6	58.1			
(0. RAD/SEC)		200	51.7	55.9	57.5	58.5	60.4	62.0	63.4	64.0	64.4	64.0	66.5	65.6	61.3	55.0			
NFD 0. RPM		250	53.2	54.3	56.2	59.0	60.9	61.2	62.3	63.2	63.6	62.7	65.1	64.4	59.0	52.8			
(0. RAD/SEC)		315	51.2	54.2	56.2	56.3	58.5	59.6	60.8	62.3	63.2	61.7	63.2	62.8	56.9	49.4			
AIRFLCH RATIO		400	49.0	52.6	54.8	56.3	57.8	59.0	59.8	61.3	61.2	61.2	62.0	61.1	54.5	47.0			
WF/KH 8.00		500	46.2	50.7	52.9	54.6	56.0	57.7	58.9	59.8	60.9	59.9	60.7	58.5	51.3	43.9			
		630	44.4	49.6	52.0	53.4	55.5	56.3	58.4	59.0	60.0	59.3	59.3	56.9	49.7	41.7			
VEHICLE JENOTS		800	42.3	48.6	50.7	52.8	55.1	56.2	57.0	57.9	58.7	57.6	57.3	54.9	47.4	38.8			
CONFIG JE-060		1000	40.1	47.1	49.8	51.9	53.9	55.3	55.6	57.4	57.6	56.5	56.7	52.3	45.7	37.2			
LCC EVENDALE		1250	37.1	44.5	47.6	50.6	52.5	53.5	53.8	55.6	56.4	55.3	56.3	50.2	43.3	34.2			
DATE 05-08-75		1600	32.9	40.9	45.2	47.4	49.5	50.4	51.5	52.8	53.1	52.5	52.4	48.2	39.9	29.2			
RLN DBTF-FODEL 4		2000	26.9	36.6	40.7	42.9	46.2	46.5	48.1	49.3	49.6	48.1	47.9	44.1	34.4	21.5			
TAPE X40420		3150	19.4	31.6	34.9	38.0	40.6	41.4	43.3	44.0	45.5	42.7	42.4	37.5	27.1	12.3			
FAN TIP SPEED		4050		14.5	17.2	20.8	23.7	26.6	27.6	29.6	29.2	26.5	23.8	17.0	5.4				
FT/SEC		5000		8.0	10.2	14.3	18.8	19.8	21.0	24.7	23.1	20.0	16.1	10.5					
		6300				2.8	9.5	9.4	11.6	17.1	13.2	9.9	5.4						
		8000							0.5	7.5	1.8								
		10000																	
OVERALL CALCULATED			62.8	65.6	68.2	69.4	71.4	71.9	73.5	74.5	75.1	74.3	75.9	76.6	75.1	72.5			
PNDB			62.4	67.0	69.7	71.3	73.4	74.4	75.7	77.0	77.5	76.6	77.7	76.5	72.0	66.5			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL			
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	0.		
SPL INPUT AT STD		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.0)	(3.0)		
REV. ALPHA 12/73		90	77.4	74.2	77.3	77.7	80.4	79.7	81.3	82.3	82.6	84.3	83.5	89.0	91.7	91.4				143.5	
NO EGA		63	75.1	75.8	77.1	76.3	77.0	77.9	82.0	81.2	82.7	83.2	84.7	90.1	91.8	91.8				143.7	
RDG. NO. 0.		80	76.1	77.4	78.9	77.7	79.2	78.7	80.8	82.4	82.9	83.4	85.7	89.3	90.9	93.0				143.8	
RADIAL 320. FT.		100	77.2	78.4	78.4	79.0	79.8	78.8	80.4	82.6	83.5	86.0	87.7	89.5	90.0	92.2				144.0	
(98. 4)		125	78.3	77.4	79.3	78.1	79.3	80.4	81.9	83.1	83.9	85.8	86.5	88.4	89.1	87.9				143.2	
VEHICLE JENOTS		160	77.7	77.4	78.4	78.3	79.0	79.2	81.7	82.4	82.9	85.1	87.1	88.5	87.9	85.2				142.7	
CONFIG JE#060		200	76.5	77.7	77.4	77.7	78.8	79.9	80.8	82.0	82.6	84.0	86.1	87.7	84.9	82.5				141.7	
LOC EVENDALE		250	78.1	76.8	76.5	78.4	79.0	79.6	79.8	81.3	82.0	83.1	85.2	86.0	83.6	80.3				140.8	
DATE 05-08-75		315	77.0	77.5	77.7	76.4	77.8	78.4	79.4	81.1	82.0	83.1	84.0	84.9	80.9	77.7				140.1	
RUN DBTF-MODEL 4		400	75.5	76.6	76.8	77.5	78.3	79.1	79.8	81.1	81.5	83.4	83.4	84.1	79.8	76.9				139.9	
TARE X46430		500	73.4	75.7	76.0	76.3	77.4	78.8	79.6	80.7	81.1	82.4	82.8	81.8	77.6	74.5				139.0	
BAR 29.5 HG		630	73.2	75.0	75.1	75.3	76.3	77.1	77.8	79.8	80.3	81.5	82.0	80.6	77.0	73.8				138.0	
{99448, N/M2}		800	72.3	75.9	76.6	76.7	77.2	77.0	77.2	78.7	79.4	80.5	80.2	79.2	76.1	73.1				137.5	
TAMB 61. DEG F		1000	72.4	77.2	77.5	76.7	76.9	77.0	76.2	78.1	79.4	80.6	80.1	78.4	76.3	75.1				137.5	
(289, DEG K)		1250	71.6	75.8	76.3	77.1	77.1	76.2	76.3	78.4	79.2	80.2	81.2	77.3	75.5	75.1				137.3	
TWET 52. DEG F		1600	70.5	74.6	77.7	77.1	77.0	75.8	75.3	76.7	77.4	79.7	81.4	76.8	75.5	73.7				137.2	
(284, DEG K)		2000	69.1	72.7	74.9	74.7	74.9	73.7	73.3	75.0	75.5	76.9	79.3	74.6	73.4	71.5				136.2	
HACT 0. GH/M3		2500	65.3	71.1	71.8	72.1	71.3	69.5	70.6	71.7	73.5	74.3	75.5	72.2	70.8	68.8				132.5	
{, KG/M3}		3150	62.5	69.0	70.5	69.1	68.3	66.6	67.2	68.7	70.0	71.0	71.0	69.4	68.5	66.5				129.9	
FREQ. SHIFT		4000	58.2	65.3	66.1	65.5	64.1	63.6	63.7	64.9	65.5	67.7	67.1	66.5	65.8	62.5				126.9	
JET 9		5000	56.8	62.7	63.5	62.3	61.3	58.9	59.3	61.0	62.3	63.6	62.6	64.5	63.4	61.9				124.1	
DIAMETER RATIO		6300	55.6	59.3	59.6	59.4	59.1	56.6	57.6	58.1	58.1	62.2	58.5	65.7	63.8	61.9				123.5	
DF/DM 8.00		8000	56.6	57.1	58.0	57.4	59.2	56.0	57.7	58.0	56.2	62.9	56.7	67.9	65.6	63.9				126.0	
OVERALL CALCULATED		10000	58.2	57.1	56.6	56.9	60.9	57.7	59.5	59.5	56.6	65.1	57.2	69.9	67.9	65.6				130.3	
PND8			87.9	88.9	89.8	89.7	90.6	90.7	92.0	93.3	94.0	95.5	96.6	98.5	98.9	99.1				153.5	
			84.1	97.1	98.5	98.2	98.5	97.9	98.4	99.8	100.5	102.3	103.2	102.9	101.4	100.9					

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,
REV, ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)
NO EGA		50	53.6	52.6	57.3	58.7	62.2	61.9	63.7	64.5	64.3	65.4	63.5	67.4	67.9	64.1	---
SIDELINE 2400 FT		63	51.1	54.2	57.0	57.3	58.7	60.0	64.3	63.4	64.4	64.2	64.6	68.5	67.9	64.4	---
(731.52 M)		80	52.0	55.7	58.8	58.7	60.9	60.9	63.1	64.5	64.6	64.4	65.6	67.6	66.9	65.5	---
NFA 0, RPM		100	53.0	56.6	58.2	59.9	61.4	60.8	62.6	64.7	65.2	66.9	67.5	67.7	65.8	64.4	---
(0, RAD/SEC)		125	54.0	55.4	58.9	59.0	60.8	62.4	64.0	65.1	65.4	66.6	66.1	66.4	64.8	59.9	---
NFK 0, RPM		160	53.2	55.3	57.9	59.0	60.4	61.0	63.7	64.3	64.4	65.8	66.6	66.3	63.4	56.8	---
(0, RAD/SEC)		200	51.7	55.4	56.8	58.3	60.1	61.5	62.7	63.7	63.9	64.5	65.4	65.4	60.0	53.7	---
NFD 0, RPM		250	52.9	54.2	55.7	58.8	61.1	61.2	61.5	62.9	63.1	63.5	64.3	63.4	58.5	51.0	---
(0, RAD/SEC)		315	51.5	54.6	56.6	58.6	58.8	59.8	61.0	62.5	63.0	63.2	62.9	62.0	55.3	47.9	---
AIRFLOW RATIO		400	49.4	53.3	55.3	57.3	59.0	60.2	61.1	62.3	62.2	63.2	62.0	60.8	53.7	46.2	---
WF/KM 8.00		500	46.7	51.9	54.1	55.8	57.7	59.7	60.6	61.5	61.4	61.9	61.0	58.0	50.8	42.9	---
VEHICLE JENOTS		630	45.6	50.6	52.7	54.4	56.2	57.5	58.4	60.2	60.2	60.5	59.6	56.2	49.4	40.9	---
CONFIG JENOTS		800	43.5	51.5	53.5	55.0	56.5	56.9	57.3	58.6	58.7	58.9	57.1	53.9	47.4	38.5	---
LOC EVENDALE		1000	42.3	50.8	53.5	54.3	55.6	56.3	55.6	57.4	58.1	58.2	56.1	52.0	46.2	38.4	---
DATE 05-08-75		1250	39.8	47.4	51.3	53.8	54.9	54.7	55.0	56.8	57.1	57.0	56.2	49.7	43.7	35.9	---
RUN DBTF-MODEL 4		1600	36.3	45.1	51.2	52.5	53.7	53.1	52.9	54.0	54.0	55.1	54.8	47.3	41.3	30.9	---
TAPE X40430		2000	32.0	41.0	46.6	48.5	50.1	49.6	49.5	51.0	50.7	50.8	51.0	42.9	36.3	24.4	---
FAN TIP SPEED		2500	24.0	36.2	40.8	43.6	44.4	43.5	44.9	45.6	46.6	45.8	44.5	37.3	29.4	15.4	---
FT/SEC		3150	14.5	28.9	35.2	36.9	38.1	37.4	38.3	39.5	39.7	38.9	35.8	29.4	20.5	3.0	---
OVERALL CALCULATED		4000	0.1	17.5	24.5	27.8	28.8	29.6	30.1	30.9	30.2	30.1	25.6	18.8	7.7	---	---
PNDB		5000		10.5	18.2	21.4	23.1	22.1	23.0	24.2	24.1	22.7	17.4	12.3	---	---	---
		6300			3.6	9.1	12.3	11.7	13.3	13.2	11.3	11.9	2.4	0.4	---	---	---
		8000							1.2	0.7					---	---	---
		10000													---	---	---
OVERALL CALCULATED			62.8	65.7	68.3	69.4	71.3	72.0	73.6	74.6	74.9	75.6	75.6	76.3	74.6	71.3	---
PNDB			63.1	68.2	71.7	73.3	74.9	75.4	76.4	77.7	77.8	78.5	77.7	76.0	71.2	65.6	---

		ANGLES FROM INLET IN DEGREES (AND RADIAN)																		PWL
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.		
REV, ALPHA 12/73		FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	
NO EGA		50	83.7	79.0	84.6	84.7	86.7	85.5	87.6	89.8	90.6	92.6	92.0	97.3	100.5	100.1				151.7
RDG, NO, 0,		63	79.1	78.8	80.1	78.8	79.5	80.4	83.5	84.2	86.2	87.4	89.7	97.1	99.3	97.3				149.6
RADIAL 320. FT, (98, 4)		80	79.8	79.4	80.4	78.9	81.4	80.0	83.1	85.1	86.7	88.4	92.4	96.8	99.4	100.3				150.5
VEHICLE JENOTS		100	79.2	80.4	80.4	80.8	81.3	80.8	82.4	85.9	86.5	90.5	93.2	96.0	96.2	98.7				149.4
CNFIG JE=060		125	80.6	79.4	81.3	79.9	81.0	82.4	83.7	86.1	87.1	90.6	92.7	95.7	94.3	93.9				148.3
LOC EVENDALE		160	79.2	79.9	80.9	79.5	81.0	81.9	84.4	85.4	86.9	89.9	93.3	95.0	93.2	90.9				147.7
DATE 05-08-75		200	77.8	79.5	79.6	79.5	81.6	82.5	83.8	85.7	86.6	89.0	92.6	93.2	90.9	87.7				146.5
RUN DBTF-MODEL 4		250	78.6	78.1	78.0	80.4	81.2	81.8	83.5	84.6	86.5	88.1	91.2	91.2	87.8	85.5				145.2
TAPE X40450		315	77.3	78.0	78.0	77.4	78.8	80.7	81.7	83.9	86.0	87.8	89.0	89.9	85.4	82.5				143.9
BAR 29.5 HG		400	75.8	76.9	77.3	78.0	78.6	79.8	81.3	83.1	84.5	86.9	87.9	88.1	84.1	80.4				142.8
{99448, N/M2)		500	73.7	75.5	75.7	76.6	77.7	79.1	80.1	82.5	83.6	85.2	85.0	84.8	79.8	76.3				141.0
TAMB 61, DEG F		630	73.5	75.0	74.9	75.8	76.3	77.6	79.3	81.5	83.1	85.2	85.0	83.4	77.5	74.3				140.3
(289, DEG K)		800	72.8	74.6	74.8	75.9	76.2	78.0	78.2	80.4	81.6	83.7	82.7	80.7	76.1	72.6				139.0
THET 52, DEG F		1000	71.6	73.9	75.0	75.2	76.2	76.8	77.7	79.6	80.7	82.6	81.1	78.9	74.8	72.3				138.0
(284, DEG K)		1250	70.6	73.5	74.0	75.1	76.1	75.5	76.3	78.6	80.0	81.5	80.2	76.6	73.5	71.9				137.2
WACT 0, GM/M3		1600	69.0	71.8	74.7	74.4	75.0	74.5	75.8	77.4	78.4	79.2	79.1	75.1	72.3	71.2				136.1
{, KG/M3)		2000	66.1	73.2	71.4	71.5	72.9	72.4	73.3	75.5	76.3	77.2	76.8	73.6	70.4	67.5				134.1
FREQ. SHIFT		2500	62.8	68.3	68.3	68.8	69.8	68.8	70.4	72.2	74.0	74.3	74.2	70.5	67.8	65.6				131.5
JET 9		3150	59.0	65.2	66.0	66.1	66.1	65.1	67.0	68.7	70.5	71.0	69.8	67.9	66.0	63.5				128.6
DIAMETER RATIO		4000	55.0	61.3	62.1	62.0	61.3	61.4	62.7	64.1	66.0	68.2	65.9	65.3	63.8	60.5				125.6
DF/CM 8.00		5000	54.3	58.2	59.0	58.5	58.8	56.6	58.8	60.0	62.6	67.1	62.8	64.2	62.9	60.9				123.6
OVERALL CALCULATED		6300	55.1	56.3	55.8	55.4	58.1	54.9	56.6	57.1	61.3	69.0	62.5	66.2	64.8	62.6				125.3
PNDB		8000	56.6	56.1	55.2	54.4	59.0	53.0	57.2	57.5	62.5	71.2	64.2	68.4	67.4	65.2				129.0
		10000	58.2	57.1	55.9	54.9	60.4	57.2	59.5	59.0	64.6	73.4	66.4	70.4	69.4	66.6				133.7
			90.1	89.9	91.3	91.2	92.4	92.8	94.6	96.5	97.8	100.1	102.1	105.0	106.0	105.9				158.7
			94.2	95.8	97.0	97.0	98.0	98.0	99.5	101.3	102.9	105.2	106.1	106.8	105.6	104.9				

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
SPL INPUT AT STD		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	0,	0,	0,	
REV, ALPHA 12/73		FREQ. (0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,09)	(2,27)	(2,44)	(2,62)	(2,79)	(0,	(0,	(0,	
NO EGA		50	59,8	57,4	64,5	65,7	68,4	67,7	69,9	72,0	72,3	73,6	72,0	75,7	76,6	72,8			
SIDELINE 240C, FT		63	55,1	57,2	60,0	59,8	61,2	62,3	65,8	66,4	67,9	68,5	69,6	75,5	75,4	69,9			
{731,52 M}		80	55,8	57,7	60,3	59,9	62,2	62,1	65,4	67,2	68,4	69,4	72,3	75,1	75,4	72,7			
NFA 0, RPM		100	55,0	58,6	60,2	61,6	62,9	62,8	64,6	67,9	68,2	71,4	73,0	74,2	72,0	70,9			
{ 0, RAD/SEC}		125	56,2	57,4	60,9	60,7	62,6	64,4	65,8	68,1	68,7	71,4	72,4	73,7	70,0	65,9			
NFK 0, RPM		160	54,7	57,8	60,4	60,2	62,4	63,8	66,4	67,3	68,4	70,6	72,9	72,8	68,6	62,6			
{ 0, RAD/SEC}		200	53,0	57,1	59,0	60,0	61,9	64,2	65,7	67,5	67,9	69,5	71,9	70,9	66,0	59,0			
NFB 0, RPM		250	53,4	55,5	57,2	60,8	62,4	63,5	65,3	66,2	67,6	68,5	70,3	68,7	62,7	56,3			
{ 0, RAD/SEC}		315	51,7	55,1	56,9	57,6	59,8	62,1	63,2	65,3	67,0	67,9	67,9	67,0	59,8	52,6			
AIRFLOW RATIO		400	49,7	53,6	55,8	57,8	59,3	61,0	62,6	64,3	65,2	66,7	66,5	64,8	58,0	49,7			
WF/WM 8,00		500	46,9	51,6	53,9	56,1	58,0	59,9	61,1	63,3	63,9	64,6	64,0	61,0	53,1	44,6			
		630	45,9	50,6	52,5	54,9	56,2	58,0	59,9	62,0	63,0	64,3	62,6	58,9	49,9	41,4			
		800	44,0	49,3	51,7	54,3	55,5	57,9	58,3	60,3	60,9	62,1	59,6	55,4	47,4	38,0			
VEHICLE JENOTS		1000	41,5	47,6	51,0	52,8	54,9	56,0	57,1	58,9	59,3	60,2	57,1	52,5	44,7	35,6			
CONFIG JE*060		1250	38,8	45,9	49,0	51,8	53,9	53,9	55,0	57,1	57,8	58,2	55,2	48,9	41,7	32,7			
LOC EVENDALE		1600	34,8	42,3	48,2	49,8	51,7	51,8	53,4	54,7	55,0	54,6	52,6	45,6	38,1	28,4			
DATE 65-68-75		2000	29,0	38,5	43,1	45,3	48,1	48,3	49,5	51,5	51,5	51,0	48,5	41,9	33,3	20,4			
RUN DBTF-MODEL 4		2500	21,5	33,4	37,3	40,3	42,9	42,7	44,6	46,1	47,1	45,8	43,2	35,6	26,4	12,1			
TARE X40460		3150	11,0	25,2	30,7	33,9	35,8	35,9	38,1	39,5	40,2	38,9	34,5	27,9	18,0				
FAN TIP SPEED		4000		13,5	20,5	24,3	26,0	27,4	29,1	30,1	30,7	30,6	24,3	17,5	5,7				
FT/SEC		5000		6,0	13,7	17,6	20,6	19,9	22,5	23,2	24,4	26,2	17,6	12,1					
		6300				5,1	11,3	10,0	12,3	12,2	14,5	18,7	6,4	0,9					
		8000							0,7	0,2	2,5	6,4							
		10000																	
OVERALL CALCULATED			65,4	67,3	70,5	71,5	73,6	74,3	76,3	78,2	79,0	80,6	81,5	83,1	81,9	78,3			
PNDB			63,8	68,3	71,3	73,1	75,1	76,3	78,1	79,9	80,9	82,1	82,5	81,3	76,7	72,0			

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	
NO EGA	50	84.9	81.2	85.1	85.7	87.4	86.7	89.3	91.3	93.1	95.6	95.8	101.0	104.0	102.6			154.8
RDG. NO. 5	63	83.6	83.6	83.8	82.5	82.5	83.6	87.2	88.0	89.7	90.9	94.7	101.1	104.1	100.6			153.9
RADIAL 320. FT.	80	84.3	84.5	84.5	83.0	85.0	84.3	86.9	88.4	90.9	92.5	97.2	101.8	104.2	103.8			155.0
(98. H)	100	84.2	84.9	84.1	84.3	84.5	84.3	85.7	88.9	90.5	93.8	97.2	99.6	101.5	104.5			154.0
VEHICLE JENOTS	125	84.8	83.1	84.3	84.4	84.3	85.7	87.7	89.6	91.4	95.1	97.7	99.2	99.6	100.4			152.9
CCNFIG JET 100	160	83.2	83.9	84.4	84.0	85.0	85.4	88.4	89.7	91.2	94.4	98.1	100.2	98.9	97.7			152.8
L/C EVENDALE	200	81.8	83.5	83.4	83.5	84.8	86.2	87.5	89.2	90.8	93.8	97.1	97.0	95.9	95.0			151.0
DATE 15-08-75	250	82.6	81.6	81.5	84.2	85.7	86.4	87.5	89.3	91.5	93.6	95.7	96.3	93.8	94.0			150.3
RUN BTTF-MODEL 4	315	80.8	81.6	82.3	81.7	83.1	84.4	86.6	88.9	90.8	93.1	93.3	94.4	90.9	96.7			148.7
TYPE X46490	400	79.3	80.4	81.0	81.7	82.6	83.1	85.3	87.6	89.3	92.4	92.7	92.4	89.6	87.9			147.6
BAR 29.4 HG	500	77.0	78.5	78.8	79.8	80.9	82.6	84.4	86.5	88.8	90.9	90.8	89.3	85.8	83.3			145.9
(99178, H/R2)	630	76.0	77.3	77.4	78.9	80.3	81.6	84.1	86.0	88.3	90.3	89.7	87.9	83.8	80.1			145.1
TAMB 73. DEG F	800	76.1	76.9	77.6	78.4	80.0	81.0	82.7	85.2	86.6	89.0	88.2	85.8	81.4	77.7			143.8
(298, DEG K)	1000	73.7	75.5	76.2	77.5	78.7	80.6	81.5	84.1	86.2	87.4	86.6	83.7	79.3	75.6			142.6
THET 58. DEG F	1250	72.9	74.8	75.4	76.2	77.9	79.0	80.1	82.9	85.0	86.3	85.3	80.9	77.1	73.7			141.4
(288, DEG K)	1600	70.4	72.7	73.3	74.5	76.1	77.6	79.2	81.8	83.5	84.3	83.2	79.2	75.1	72.8			139.9
HACT 6. GM/M3	2000	67.2	70.3	71.0	71.6	73.8	75.0	76.9	79.1	80.9	82.1	81.0	78.0	73.0	70.1			137.8
(, KG/M3)	2500	63.7	67.2	67.4	68.5	69.7	71.4	74.0	76.1	78.2	78.7	77.6	75.1	70.7	67.7			135.0
FREQ. SHIFT	3150	61.2	64.1	64.9	65.3	66.5	68.3	70.2	72.4	74.2	75.5	73.2	73.1	71.2	67.6			132.1
JET 9	4000	58.2	60.2	60.5	61.2	62.5	64.6	66.4	68.1	69.0	70.7	70.4	71.0	70.3	66.7			129.5
DIAMETER RATIO	5000	58.7	60.4	59.9	59.7	62.0	61.3	63.0	64.5	65.3	70.6	69.3	71.0	71.4	68.2			129.0
DF/DM 8.50	6300	61.4	61.3	60.3	60.4	63.3	62.1	63.8	63.5	61.8	75.4	70.7	73.7	74.0	70.6			132.2
OVERALL CALCULATED	8000	64.1	63.3	62.5	62.5	66.0	66.5	66.6	65.8	62.8	78.4	73.5	76.4	76.6	73.7			136.9
PND8	10000	65.9	64.8	63.6	63.8	67.8	66.7	68.2	68.2	64.6	80.9	75.9	79.4	78.4	76.1			141.9
		93.7	93.6	94.2	94.3	95.5	96.1	98.1	100.1	102.0	104.5	106.7	109.3	110.7	110.3			163.1
		97.8	98.4	98.9	99.5	101.0	101.9	103.6	105.7	107.3	110.3	110.9	111.6	110.7	110.5			

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
REV. ALPHA 12773	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.
	50	61.1	59.6	65.0	66.7	69.2	68.9	71.7	73.5	74.8	76.6	75.7	79.4	80.1	75.3				
NO EGA	83	59.6	61.7	63.7	63.5	64.2	65.8	69.5	70.1	71.4	72.0	74.6	79.5	80.1	73.1				
SIDELINE 2400 FT	80	60.3	62.2	64.3	63.9	66.7	66.4	69.1	70.5	72.6	73.4	77.1	80.1	80.1	76.2				
(731.52 M)	100	60.0	63.1	63.9	65.2	66.1	66.3	67.9	70.9	72.2	74.7	77.0	77.9	77.3	76.7				
AFA 0. RPM	125	60.5	61.2	63.9	65.2	65.8	67.7	69.8	71.6	72.9	75.9	77.4	77.2	75.3	72.4				
(0. RAD/SEC)	160	58.7	61.8	63.9	64.7	66.4	67.3	70.4	71.6	72.6	75.1	77.6	78.1	74.4	69.3				
NFK 0. RPM	200	57.0	61.1	62.8	64.0	66.1	68.0	69.4	71.0	72.1	74.3	76.5	74.6	71.1	66.2				
(0. RAD/SEC)	250	57.5	59.3	60.7	64.5	66.9	68.0	69.3	70.9	72.6	74.0	74.8	73.7	68.7	64.8				
AFD 0. RPM	315	55.2	58.7	61.2	61.8	64.0	65.8	67.5	70.3	71.7	73.2	72.2	71.6	65.4	60.9				
(0. RAD/SEC)	400	53.2	57.1	59.6	61.6	63.3	64.3	66.6	68.8	70.0	72.2	71.3	69.1	63.5	57.2				
AIRFLOW RATIO	500	50.2	54.7	56.9	59.3	61.3	63.4	65.4	67.3	69.2	70.4	69.0	65.5	59.1	51.6				
BF/WH 8.00	630	48.4	52.8	55.0	57.9	60.2	62.0	64.7	66.5	68.3	69.3	67.3	63.4	56.2	47.2				
	800	47.3	51.8	54.5	56.8	59.3	60.9	62.8	65.1	66.8	67.4	65.1	60.4	52.7	43.0				
VEHICLE JENOTS	1000	43.6	49.1	52.3	55.1	57.4	59.8	60.9	63.4	64.9	65.0	62.7	57.3	49.2	38.9				
CCNFIG JE-96C	1250	41.1	47.0	50.4	52.9	55.7	57.5	58.8	61.4	62.9	63.0	60.3	53.2	45.3	34.5				
LCC EVENDALE	1600	36.2	43.2	46.7	49.9	52.8	54.9	56.7	59.1	60.1	59.7	56.7	49.7	40.9	29.9				
DATE 05-08-75	2000	30.1	38.6	42.7	45.4	48.9	51.0	53.1	55.1	56.1	55.9	52.6	46.3	35.9	23.0				
RCN DBTF-MODEL 4	2500	22.4	32.3	36.4	40.0	42.8	45.4	48.3	50.0	51.3	50.2	46.6	40.2	29.3	14.3				
TAPE X40490	3150	13.1	24.1	29.7	33.1	36.2	39.0	41.3	43.2	43.9	43.3	38.0	33.1	23.1	4.2				
FAN TIP SPEED	4000	0.0	12.5	19.0	23.5	27.2	30.6	32.8	34.1	33.7	35.0	28.8	23.2	12.1					
FT/SEC	5000		8.3	14.7	18.8	23.8	24.6	26.7	27.7	27.1	31.7	24.1	18.8	7.4					
	6300			4.3	10.1	16.5	17.2	19.6	18.6	15.0	25.1	14.7	8.4						
	8000					6.0	9.2	9.5	8.5	2.8	13.7	0.9							
	10000																		
OVERALL CALCULATED		89.0	71.2	73.5	74.8	76.6	77.6	79.9	81.7	83.1	84.8	86.1	87.3	86.5	82.5				
PNDB		87.7	71.5	74.2	76.4	78.8	80.3	82.3	84.3	85.8	87.3	87.4	86.4	82.6	78.7				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY = JENOTS)

 PROC. DATE 5. MONTH 63 DAY 0 HR. 0.8

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
SPL INPUT AT STD REV. ALPHA 12/73		FREQ.	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	0°	0°	0°	PWL
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)	
NO EGA		50	82.7	80.0	84.6	83.9	85.7	85.5	87.6	89.3	92.1	95.1	95.5	101.0	104.0	102.4				154.5
RCG, NO. 0.		60	83.3	83.3	83.6	82.0	82.5	83.6	86.2	87.0	89.2	91.2	94.2	101.4	103.1	100.1				153.4
RADIAL 320. FT.		80	83.3	83.5	83.5	81.7	84.0	83.8	86.6	88.6	91.4	92.7	96.7	101.1	103.9	101.3				154.2
(98. N)		100	83.2	84.2	83.6	83.5	83.8	83.8	86.2	89.1	90.8	94.3	97.0	99.8	101.2	103.0				153.6
VEHICLE JENOTS		125	83.8	81.9	83.5	83.2	84.0	85.4	87.4	89.1	91.4	94.8	97.2	98.2	98.6	97.9				152.0
JE=060		160	82.2	81.9	82.9	83.0	84.2	84.7	87.4	88.9	90.9	93.9	97.3	99.0	96.9	95.7				151.7
CCKFIG		200	80.8	82.5	82.2	83.0	83.8	85.2	87.0	89.0	90.3	93.0	96.3	96.0	94.4	93.5				150.1
LCC EVENDALE		250	81.6	80.8	81.0	83.4	84.5	84.6	86.3	88.3	90.2	92.4	94.7	94.0	92.3	92.3				148.9
DATE 05-08-75		315	79.6	81.6	81.5	80.7	82.4	83.4	85.5	87.9	90.0	91.3	92.3	92.4	89.4	89.5				147.5
RUN CBTF-MODEL 4		400	78.6	80.4	80.8	81.2	82.6	83.6	85.3	87.1	88.6	91.1	91.4	90.4	87.8	87.1				146.6
TAPE X40510		500	76.7	79.7	81.8	80.8	83.2	84.6	85.7	87.5	88.6	89.9	89.6	87.3	83.6	81.5				145.6
BAR 29.4 HG		630	76.0	78.3	80.4	79.6	81.6	83.4	85.1	87.0	88.6	89.8	88.2	84.9	80.8	78.4				144.8
499178, N/42)		800	75.8	78.7	79.1	79.9	81.0	81.8	83.5	85.2	86.6	87.8	86.0	83.0	79.4	76.7				143.2
TAMB 73. DEG F		1000	73.9	77.2	78.5	78.7	80.0	80.6	81.2	83.9	85.5	85.9	83.9	80.7	78.3	76.3				141.7
(298. DEG K)		1250	72.4	77.1	78.6	78.9	79.4	79.5	80.1	82.7	84.3	85.1	82.5	79.4	77.0	76.7				140.9
TWET 58. DEG F		1600	70.9	77.4	78.5	78.5	79.1	78.1	78.9	81.0	82.7	84.1	81.0	78.2	77.1	75.5				140.0
(288. DEG K)		2000	69.0	75.8	77.5	77.1	77.5	76.3	77.1	79.6	80.9	81.8	76.0	76.8	75.8	72.9				138.8
HACT C. GM/M3		2500	65.9	74.2	75.2	75.0	72.7	74.5	76.8	78.4	79.4	77.1	74.6	73.9	71.2					136.8
K. KG/M3		3150	63.4	72.6	73.9	74.0	72.3	70.5	71.7	73.9	74.9	77.2	74.2	73.1	73.4	71.1				134.5
FREQ. SHIFT		4000	59.9	69.7	70.8	70.2	68.5	67.8	67.9	70.1	71.2	74.2	71.9	71.5	72.3	68.9				132.2
JET 9		5000	57.5	66.4	67.2	67.7	66.5	64.3	64.8	66.2	67.6	73.1	70.1	71.0	71.4	69.2				130.5
DIAMETER RATIO		6300	55.9	64.3	64.6	65.1	65.3	63.1	64.6	63.8	64.0	75.7	71.2	73.9	74.0	70.9				132.8
CF/CM 8.00		8000	57.4	63.9	63.5	64.0	66.0	64.0	66.0	65.1	63.3	78.4	73.2	76.7	76.6	73.9				136.9
OVERALL CALCULATED		10000	58.4	64.5	63.8	64.1	67.8	66.4	68.5	66.9	64.4	82.1	75.7	78.7	78.7	76.1				142.5
PNDB			92.7	93.3	94.1	94.0	95.2	95.8	97.7	99.7	101.6	104.0	106.0	108.7	110.1	108.8				162.4
			97.0	100.8	101.9	101.8	102.4	102.2	103.7	105.6	107.1	109.8	110.0	110.5	110.3	109.6				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
REV, ALPHA 12/73		FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
NO EGA		50	58.8	58.4	64.5	65.0	67.4	67.7	69.9	71.5	73.8	76.1	75.5	79.4	80.1	75.1			
SIDELINE 24000 FT		63	59.4	61.7	63.5	63.0	64.2	65.8	68.5	69.1	70.9	72.2	74.1	79.7	79.1	72.6			
(731.52 M)		80	59.3	61.7	63.3	62.7	65.7	65.9	68.9	70.7	73.1	73.7	76.6	79.3	79.9	73.7			
NFA		100	59.0	62.3	63.4	64.4	65.4	68.8	68.4	71.2	72.4	75.2	76.7	77.9	77.0	75.2			
0. RPM		125	59.5	59.9	63.2	64.0	65.6	67.4	69.5	71.1	72.9	75.7	76.9	76.2	74.3	69.9			
(0.1 RAD/SEC)		160	57.7	59.8	62.4	63.7	65.7	66.6	69.4	70.8	72.4	74.6	76.9	76.9	72.4	67.3			
NFK		200	56.0	60.1	61.5	63.5	65.1	67.0	68.9	70.8	71.6	73.5	75.7	73.6	69.6	64.7			
(0.1 RAD/SEC)		250	56.5	58.3	60.2	63.8	65.6	66.2	68.0	69.9	71.4	72.7	73.8	71.4	67.2	63.0			
NFD		315	54.0	57.7	60.4	60.8	63.3	64.8	67.0	69.3	71.0	71.5	71.2	69.6	63.9	59.6			
(0.1 RAD/SEC)		400	52.5	57.1	59.3	61.1	63.5	64.7	66.6	68.3	69.2	71.0	70.0	67.1	61.7	56.5			
AIRFLOW RATIO		500	49.9	55.9	58.9	60.3	63.5	65.4	66.6	68.3	68.9	69.4	67.7	63.5	56.8	49.9			
WF/KM 8.00		630	48.4	53.8	58.0	58.6	61.5	63.8	65.7	67.5	68.5	68.8	65.8	60.4	53.2	45.4			
		800	47.1	53.3	56.0	58.3	60.3	61.7	63.5	65.1	66.0	66.1	62.8	57.7	50.7	42.0			
VEHICLE JENOTS		1000	45.8	51.9	54.5	56.4	58.7	59.8	60.6	63.1	64.1	63.5	59.9	54.3	48.2	39.7			
CCNFIG JE-060		1250	43.6	49.5	53.6	55.6	57.2	58.0	58.8	61.1	62.1	61.8	57.5	51.7	45.8	37.5			
LCC EVENDALE		1600	38.7	47.9	52.0	53.9	55.8	55.4	56.5	58.3	59.3	59.5	54.4	48.7	42.9	32.7			
DATE 05-08-75		2000	31.9	44.1	49.2	50.9	52.7	52.2	53.3	55.6	56.1	55.6	50.6	45.1	38.6	25.7			
RCN CBTF-MODEL 4		2500	24.6	39.3	44.2	46.7	48.1	46.6	48.8	50.8	51.5	51.0	46.1	39.7	32.6	17.8			
TAPE X40510		3150	15.4	32.6	38.7	41.8	42.0	41.3	42.8	44.7	44.7	45.1	39.0	33.1	25.4	7.7			
FAN TIP SPEED		4000	1.8	22.0	29.2	32.5	33.2	33.0	34.3	36.1	35.9	36.5	30.3	23.7	14.1				
FT/SBC		5000		14.3	22.0	26.8	28.3	27.6	28.5	29.4	29.3	32.2	24.8	18.8	7.4				
		6300			8.5	14.8	18.5	18.2	20.3	18.9	17.2	25.4	15.2	8.6					
		8000					6.0	6.7	9.5	7.7	3.3	13.7	0.6						
OVERALL CALCULATED		10000	88.0	90.5	73.1	74.1	76.1	77.2	79.4	81.1	82.7	84.4	85.4	86.8	86.0	81.1			
PNDB			86.9	72.2	75.3	77.0	79.2	80.5	82.2	84.1	85.8	86.9	86.5	85.1	81.8	72.1			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL		
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)		
SPL INPUT AT STD	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160					
REV. ALPHA 12/73	50	92.4	90.7	94.1	92.2	93.9	94.2	96.1	98.6	100.6	104.1	107.0	112.0	116.2	112.4					
RDG. NO. EGA	63	96.3	95.6	95.3	93.5	94.7	95.9	98.5	99.7	101.4	103.4	107.7	114.9	117.1	114.6					
RAD. AL 320. FT.	80	98.8	96.7	96.5	94.0	95.2	94.8	98.1	100.1	102.4	104.7	109.7	115.1	119.4	116.8					
(98. M)	100	97.5	96.7	96.4	95.8	96.3	96.8	98.4	101.6	103.5	107.3	110.0	113.3	115.5	116.7					
VEHICLE JENOTS	125	98.3	94.4	95.3	95.2	95.8	96.9	96.9	101.1	102.9	106.8	109.5	110.2	113.4	112.2					
CONFIG JENOTS	160	95.2	94.9	94.9	94.8	96.0	97.2	99.4	100.9	103.2	106.6	110.1	110.5	109.9	109.4					
LQC EVENDALE	200	93.1	94.7	93.9	95.0	96.3	97.2	99.5	101.2	103.1	106.0	108.3	108.0	107.4	106.2					
DATE 05-08-75	250	94.3	93.3	93.0	95.9	96.5	97.6	99.0	100.8	103.0	105.4	107.4	107.5	106.9	104.3					
RUN DBTF-MODEL 4	315	92.8	94.1	94.0	94.0	95.4	96.5	98.5	100.7	103.1	105.6	105.5	106.7	105.2	102.3					
YARE X40520	400	92.4	93.4	93.3	95.0	96.1	96.9	98.3	100.4	102.9	104.7	105.2	105.9	105.4	101.9					
BAR 29.3 HG	500	90.8	92.0	93.1	94.4	95.7	97.2	98.7	101.0	103.4	104.0	104.6	105.4	104.1	101.1					
(99043, N/42)	630	90.3	92.1	92.0	94.4	96.1	97.2	99.1	101.6	104.2	104.1	104.3	105.2	103.1	99.4					
TAMB 72, DEG F	800	89.4	92.8	93.4	95.8	97.3	98.6	99.6	101.8	104.7	103.1	102.8	103.9	101.5	96.8					
(295, DEG K)	1000	88.6	92.4	93.1	95.6	97.1	97.9	99.3	102.5	105.1	102.3	102.0	102.1	99.5	96.2					
TWET 56, DEG F	1250	87.4	92.8	91.8	94.9	97.1	97.7	99.4	102.4	104.3	101.5	100.5	99.9	98.1	94.4					
(286, DEG K)	1600	84.9	89.7	91.0	93.5	95.9	96.4	99.2	101.3	102.7	100.6	98.7	97.7	95.6	93.0					
HACT 0, GM/H3	2000	82.8	88.3	89.8	92.6	94.3	95.8	97.9	99.9	100.7	98.3	96.2	95.3	93.3	89.9					
(1, KG/H3)	2500	80.5	85.8	87.5	90.0	91.5	92.7	95.1	96.9	98.2	95.5	93.2	92.7	91.2	88.0					
FREQ. SHIFT	3150	78.2	83.9	85.7	88.3	89.3	90.6	93.0	94.0	95.2	92.8	89.2	91.9	91.7	88.9					
JET 9	4000	75.7	80.5	82.0	85.0	85.8	88.1	89.4	90.6	91.5	89.7	86.6	90.7	91.0	87.4					
DIAMETER RATIO	5000	75.4	78.4	79.4	82.2	83.3	84.1	86.0	86.9	88.8	87.8	83.8	91.4	91.9	90.1					
BE/DH 8.00	6300	74.8	76.2	76.2	78.8	80.4	80.7	82.7	83.9	85.7	88.8	83.8	94.6	94.2	91.8					
OVERALL CALCULATED	8000	77.1	75.8	75.7	76.7	79.5	78.2	80.2	81.8	85.5	91.7	85.5	96.9	97.1	94.7					
PNQB	10000	78.7	76.3	75.8	76.3	80.1	78.7	80.7	81.2	85.8	94.1	87.9	99.1	99.6	97.1					
		106.3	106.1	106.4	107.1	108.5	109.4	111.3	113.5	115.6	117.0	119.0	122.0	124.4	122.6					
		122.1	113.4	114.2	116.2	117.7	118.8	120.8	122.8	124.4	124.2	123.8	125.8	126.9	124.9					

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39' DEG. F, 70 PERCENT REL. HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0
REV. ALPHA 12/73		FRER. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)
NO EGA		30	68.6	69.1	74.0	73.2	75.7	76.4	78.4	80.8	82.3	85.1	87.0	90.4	92.4	85.1	
SIDELINE 2400' FT		63	72.4	73.9	75.2	74.5	76.5	78.0	80.8	81.9	83.2	84.5	87.6	93.2	93.1	87.1	
(731.52 M)		80	74.8	75.0	76.3	74.9	76.9	78.9	80.4	82.2	84.1	85.7	89.6	93.3	95.4	89.2	
NFA 0. RPM		100	73.3	74.8	76.2	76.7	77.9	78.8	80.6	83.7	85.2	88.2	89.7	91.4	91.3	88.9	
(0. RAD/SEC)		125	74.0	72.4	74.9	76.0	77.3	78.9	81.0	83.1	84.4	87.7	89.1	88.2	89.0	84.2	
NFK 0. RPM		150	70.7	72.8	74.4	75.5	77.4	79.1	81.4	82.8	84.6	87.3	89.6	88.4	85.4	81.1	
(0. RAD/SEC)		200	68.2	72.4	73.3	75.5	77.6	79.0	81.4	83.0	84.4	86.5	87.7	85.6	82.6	77.5	
NFD 0. RPM		250	69.2	70.8	72.2	76.3	77.6	79.2	80.8	82.4	84.2	85.8	86.6	84.9	81.7	75.1	
(0. RAD/SEC)		315	67.3	71.2	72.9	74.1	76.3	77.9	80.0	82.1	84.0	85.7	84.4	83.8	79.6	72.4	
AIR FLOW RATIO		400	56.2	70.1	71.9	74.8	76.8	78.0	79.6	81.6	83.5	84.5	83.8	82.6	79.3	71.2	
WF/WF 8.00		500	64.0	68.2	71.2	73.9	76.1	78.0	79.7	81.9	83.7	83.5	82.8	81.6	77.4	69.4	
		630	62.7	67.6	69.6	73.4	76.0	77.6	79.7	82.0	84.1	83.1	81.9	80.8	75.5	66.5	
		800	60.7	67.4	70.3	74.2	76.7	78.5	79.6	81.7	84.1	81.5	79.7	78.5	72.8	62.1	
VEHICLE JENOTS		1000	58.5	66.0	69.2	73.3	75.8	77.2	78.8	81.8	83.8	79.9	78.1	75.7	69.4	59.6	
CONFIG JE-060		1250	55.6	63.2	66.8	71.6	74.9	76.2	78.0	80.9	82.1	78.2	75.5	72.2	66.3	55.2	
LOC EVENDALE		1600	50.7	60.2	64.5	68.9	72.5	73.7	76.7	78.6	79.3	76.0	72.2	68.2	61.4	50.2	
DATE 05-08-75		2000	45.6	56.6	61.5	66.4	69.5	71.7	74.1	75.9	75.9	72.2	67.9	63.6	56.2	42.8	
RUN DBTF-MODEL 4		2500	39.2	50.9	56.5	61.5	64.6	66.7	69.3	70.8	71.3	67.0	62.2	57.8	49.9	34.6	
TARE X40520		3150	30.2	43.9	50.5	56.1	59.0	61.3	64.1	64.7	65.0	60.6	54.0	51.9	43.7	25.5	
FAN TIP SPEED		4000	17.5	32.8	40.5	47.3	50.5	54.1	55.9	56.6	56.2	52.0	45.1	43.0	32.9	8.9	
FT/SEC		5000	11.4	26.2	34.2	41.3	45.0	47.3	49.7	50.1	50.6	46.9	38.6	39.2	27.9	2.8	
		6300		10.9	20.2	28.5	33.6	35.8	38.5	39.0	38.9	38.5	27.8	29.3	13.0		
		8000			3.1	11.9	19.5	20.9	23.7	24.4	25.5	26.9	22.9	11.5			
		10000					1.8	3.9	7.1	6.4	7.8	9.2					
OVERALL CALCULATED			81.6	83.2	85.1	86.6	88.7	90.0	92.1	94.2	95.8	97.0	98.3	99.8	100.1	94.7	
PNDB			81.6	85.7	88.3	91.4	94.2	95.7	98.1	100.0	101.3	100.8	100.4	99.9	98.7	92.6	

ORIGINAL PAGE
OF POOR QTY.

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
NO EGA	50	81.8	62.6	67.0	67.0	68.9	69.9	72.2	74.0	76.1	79.6	79.2	83.9	84.6	79.1				
SIDELINE 24005 FT	63	84.4	66.4	68.2	67.0	69.0	70.3	73.0	74.6	76.2	77.7	80.1	86.2	86.6	78.9				
(731.52 M)	80	85.3	67.2	69.1	68.4	70.4	70.9	73.1	75.2	77.6	78.7	82.6	86.8	86.1	80.0				
NFA 0.1 RPM	100	84.8	67.8	68.7	69.4	70.6	71.3	72.9	76.2	77.7	81.2	82.7	85.2	83.8	80.9				
(0.1 RAD/SEC)	125	85.5	65.2	68.2	68.7	70.3	72.2	74.0	75.8	77.7	80.9	83.1	83.7	81.5	76.7				
NFR 0.1 RPM	150	83.7	66.1	67.4	68.5	70.7	72.6	74.4	75.6	77.1	80.8	83.6	83.9	80.4	73.8				
(0.1 RAD/SEC)	200	81.0	65.1	66.8	68.3	70.4	72.0	73.9	75.8	76.9	79.5	82.0	81.4	78.3	70.7				
NFD 0.1 RPM	250	82.2	63.5	65.2	68.5	70.1	71.7	73.3	74.9	76.4	78.2	80.3	79.2	77.0	69.5				
(0.1 RAD/SEC)	315	80.5	63.4	65.7	66.1	68.8	70.3	72.3	74.1	76.2	77.7	77.9	76.8	78.1	66.4				
AIRFLOW RATIO	400	88.2	62.4	64.8	66.6	68.8	70.0	72.1	73.3	74.5	76.5	76.3	74.6	73.2	64.7				
WF/KH 8.00	500	85.7	61.2	64.2	66.6	69.0	70.9	72.9	73.8	74.4	75.7	74.2	70.8	68.1	58.4				
	630	83.9	60.1	63.5	66.6	68.7	70.5	72.7	73.5	74.8	75.0	71.8	67.9	62.7	53.2				
	800	81.3	58.3	62.2	65.6	67.6	68.9	70.5	71.6	72.5	73.1	69.6	65.2	57.9	49.3				
VEHICLE JENOTS	1000	89.1	56.9	60.3	63.6	66.4	67.3	68.4	70.4	70.9	71.2	66.9	61.8	55.2	46.9				
CONFIG JEAC60	1250	86.1	54.5	59.1	62.4	64.5	65.2	66.8	68.6	69.4	68.0	64.3	59.2	51.8	43.2				
LOC EVENDALE	1500	83.9	54.7	60.7	62.6	63.8	63.7	65.2	67.6	67.6	66.2	61.2	56.4	50.4	40.7				
DATE 05-08-75	2000	89.4	52.1	57.2	59.6	60.9	61.2	62.1	64.3	65.6	65.4	58.4	52.8	47.4	36.2				
RUN DBTF-MODEL 4	2500	82.9	47.6	53.2	56.0	56.6	55.6	57.5	59.8	60.8	60.5	53.1	48.0	42.6	29.5				
TARE X40530	3150	23.9	41.1	46.9	50.3	50.5	50.8	52.0	53.7	54.4	53.1	47.0	41.8	35.1	18.9				
PAN TIP SPEED	4000	9.8	28.8	37.0	41.8	42.2	42.6	43.8	45.6	45.4	44.5	38.6	32.2	23.1	0.6				
FT/SEC	5000	1.2	21.2	29.7	34.8	36.3	35.8	37.2	39.9	39.6	37.2	33.1	27.5	16.7					
	6300		4.8	15.0	21.6	23.7	24.4	26.8	30.4	27.7	25.4	24.2	16.9	2.1					
	8000				3.2	8.8	9.7	12.0	18.7	13.6	11.2	9.9	0.0						
	10000								3.0										
OVERALL BALANCED		73.4	75.9	78.1	79.2	81.1	82.4	84.4	86.1	87.6	89.9	91.5	93.6	92.6	86.8				
PNOB		73.2	78.2	82.0	84.0	85.7	86.8	88.7	90.3	91.5	92.8	93.1	92.6	90.2	84.2				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

SPL INPUT AT STD REV. ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	180°	10.0°	
NO EGA	50	64.4	82.5	87.3	85.2	87.2	87.0	89.6	91.3	93.6	98.1	98.8	104.5	106.7	105.6			157.5
RCG, NC, 0	63	67.3	87.8	87.3	85.0	85.2	86.9	88.7	90.5	92.4	94.9	99.0	106.6	108.8	105.1			158.6
RADIAL 320 FT.	86	69.3	88.2	87.5	86.5	87.5	87.5	90.1	91.9	94.2	96.5	102.2	108.1	108.4	106.3			159.8
(98.5)	100	69.0	89.2	88.4	88.0	88.3	88.3	89.7	93.1	94.3	98.3	101.7	106.3	107.0	109.3			159.3
VEHICLE JENOTS	125	70.6	87.1	88.3	87.2	88.3	89.4	91.4	92.8	95.1	98.8	102.5	105.4	107.1	106.7			158.7
CONFIC JE+050	160	69.2	88.2	87.6	87.5	89.2	89.2	91.7	93.4	94.9	98.9	102.8	106.5	107.2	104.9			158.8
LCC EVENDALE	200	67.0	87.5	87.7	87.5	88.6	86.9	91.0	93.2	94.8	98.3	102.1	103.7	105.4	104.2			157.4
DATE 05-08-75	250	69.1	84.8	86.0	88.2	88.7	89.4	90.8	93.1	95.0	98.1	100.9	102.0	104.6	103.3			155.5
RUN DBTF-MODEL 4	315	66.1	85.8	86.0	85.5	86.6	87.7	90.2	92.2	94.8	97.6	99.0	100.4	102.7	101.0			155.0
TARE X40540	400	83.6	84.7	84.8	85.5	86.1	87.9	89.3	91.6	93.3	97.1	97.9	98.1	100.8	98.1			153.2
BAR 2973 HG	500	81.2	82.5	83.0	83.8	85.4	86.9	88.4	91.0	93.1	95.4	95.8	95.3	95.8	92.3			151.1
(99677, N/M2)	630	83.8	82.0	82.1	83.1	84.6	85.9	87.8	90.5	92.8	95.0	95.0	93.1	91.5	87.1			150.0
TAMB 731 DEG F	800	76.3	82.4	81.1	81.9	83.7	85.3	86.5	88.0	90.6	93.3	92.7	89.5	87.9	82.4			148.0
(298, DEG K)	1000	77.4	79.7	81.0	81.5	83.7	84.5	85.7	88.6	89.7	91.9	90.4	87.4	84.3	80.6			146.7
TWET 58, DEG F	1250	76.4	79.1	79.9	80.9	82.4	83.5	84.9	88.2	89.8	90.3	88.3	84.6	81.3	78.7			145.6
(288, DEG K)	1600	74.1	77.7	79.0	80.0	81.1	81.9	83.9	86.3	88.0	88.8	87.2	82.7	80.1	77.3			144.4
HACT G, GH/M3	2000	71.0	75.5	76.8	77.1	79.0	80.0	81.6	84.1	85.9	86.8	85.5	80.5	77.8	75.4			142.5
(1, KG/M3)	2500	67.4	72.7	74.2	75.0	75.2	76.2	78.5	80.8	83.4	83.7	82.9	77.9	75.4	72.7			138.9
FREQ. SHIFT	3150	64.7	70.9	71.9	72.8	72.0	72.8	74.9	77.4	79.4	80.5	78.7	75.3	73.9	71.4			137.0
JET 9	4000	61.6	67.0	68.3	68.2	68.0	69.3	70.9	73.3	75.0	77.5	75.1	73.0	72.3	68.9			134.1
DIAMETER RATIO	5000	60.7	65.2	65.4	65.7	65.8	64.8	66.5	68.7	71.6	75.6	71.6	72.5	72.2	69.7			132.8
DF/D 8.00	6300	62.9	63.1	63.3	63.1	64.5	63.3	65.3	66.0	70.0	77.2	71.9	75.2	74.3	71.6			130.4
OVERALL CALCULATED	8000	64.9	63.6	63.5	63.2	66.5	64.3	66.2	66.3	71.8	80.2	74.0	77.2	76.6	73.7			128.1
PND8	10000	67.4	64.8	64.3	64.1	68.6	66.4	68.2	68.4	74.1	82.6	76.4	79.4	78.9	75.6			125.8
		102.6	102.8	103.2	103.7	104.7	105.5	107.4	109.7	111.7	114.6	115.5	116.8	117.5	116.2			122.2

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INTR AT STD REV. ALPHA 12273	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN)																0.1 0.1 0.1		
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
NO EGA	50	80.6	60.9	67.3	66.2	68.9	69.2	71.9	73.9	75.3	79.1	78.7	82.9	82.9	78.3					
SIDELINE 2400 FT	80	83.4	66.2	67.2	66.0	67.0	69.0	71.0	72.6	74.2	76.0	79.9	85.0	84.9	77.6					
4731.52 MI	130	84.8	57.3	63.2	68.9	69.9	70.3	71.9	75.2	75.9	79.2	81.5	84.4	82.8	81.7					
NFA 0. RPM	125	66.2	65.2	67.9	68.0	69.8	71.4	73.5	74.8	76.7	79.7	82.1	83.5	82.8	78.7					
(0. RAD/SEC)	160	64.7	66.1	67.1	68.2	70.7	71.1	73.7	75.3	76.4	79.6	82.4	84.4	82.6	76.6					
NFK 0. RPM	200	62.2	65.1	67.0	68.0	69.9	71.3	72.9	75.0	76.1	78.8	81.5	81.4	80.6	75.5					
(0. RAD/SEC)	250	64.3	64.3	65.2	68.5	69.9	71.0	72.5	74.7	76.1	78.5	80.1	79.4	79.5	74.3					
NFD 0. RPM	315	62.5	62.9	64.9	65.6	67.5	69.1	71.8	73.6	75.7	77.7	77.9	77.6	77.1	71.1					
(0. RAD/SEC)	400	67.7	61.4	63.3	65.3	66.8	69.0	70.6	72.8	74.0	77.0	76.5	74.8	74.7	67.5					
AIRFLOW RATIO	500	64.4	58.7	61.2	63.3	65.8	67.7	69.4	71.8	73.4	74.9	74.0	71.5	89.1	60.6					
WF/KM 8.00	630	63.1	57.6	59.8	62.1	64.5	66.3	68.4	71.0	72.8	74.0	72.6	68.7	83.9	54.2					
VEHICLE JEN-015	600	49.6	55.1	58.0	60.3	63.1	65.2	66.5	68.9	70.0	71.6	69.6	64.2	59.2	47.8					
CONFIG JE-040	1000	47.3	53.4	57.0	59.1	62.4	63.8	65.1	67.9	68.4	69.5	66.4	61.1	54.2	43.9					
LOC EVENDALE	1250	44.6	51.5	54.9	57.6	60.2	62.2	63.6	66.6	67.6	67.0	63.3	57.0	49.5	39.5					
DATE 05-08-75	1600	39.9	48.2	52.5	55.4	57.8	59.2	61.5	63.6	64.6	64.2	60.7	53.2	45.9	34.4					
RUN DBTF-MODEL 4	2000	33.9	43.8	48.4	50.9	54.2	56.0	57.8	60.1	61.1	60.6	57.1	48.8	40.6	28.2					
TAPE X40540	2500	26.1	37.8	43.2	46.5	48.3	50.1	52.8	54.8	56.5	55.2	51.9	43.0	34.1	19.3					
FAN TIP SPEED	3150	16.6	30.9	36.7	40.6	41.7	43.5	46.0	48.2	49.2	48.3	43.5	35.3	25.9	7.9					
FT/SEC	4000	3.0	19.3	26.7	30.5	32.7	35.3	37.3	39.4	39.7	39.8	33.6	25.2	14.1						
	5000		13.0	20.2	24.8	27.6	28.1	30.2	31.9	33.3	34.7	26.3	20.3	8.2						
	6300			7.3	12.8	17.7	18.4	21.1	21.1	23.2	26.9	15.9	9.9							
	8000					6.5	6.9	9.7	9.0	11.8	15.4	1.4								
	10000																			
OVERALL CALCULATED		73.7	75.3	77.1	77.9	79.7	80.9	83.0	85.0	86.4	89.0	90.8	93.1	92.1	87.7					
PND8		73.5	76.1	78.6	80.7	82.7	84.2	86.2	88.5	89.9	91.9	92.4	92.4	90.5	85.5					

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

SPL INPUT AT STD REV. ALPHA 12/73	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL
	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	
NO EGA	92.7	90.7	94.3	92.2	93.9	94.2	96.6	98.6	100.8	105.1	108.0	113.0	117.2	112.9			166.4
RG. NO. 0.	96.6	96.1	95.8	93.8	94.7	95.9	98.2	100.7	102.2	104.4	109.5	117.1	119.1	115.8			168.9
RADIAL 320. FT.	99.1	98.3	96.7	95.2	95.5	95.8	98.4	100.1	103.2	105.0	112.5	118.3	120.9	117.6			170.6
(98. M)	98.7	97.7	97.4	96.8	97.3	97.0	98.9	101.9	104.0	107.8	111.5	116.8	118.5	118.5			169.5
VEHICLE JENOTS	99.1	95.6	96.0	95.7	96.5	97.2	99.2	101.6	103.9	108.1	111.7	113.9	116.1	113.7			167.3
CCNF:G JE*660	96.5	95.7	95.6	95.5	96.5	97.4	99.9	101.4	103.2	107.9	111.6	114.5	112.9	109.7			166.3
LOC EVENDALE	93.3	95.2	94.7	95.0	95.8	97.7	99.5	101.5	103.3	106.8	110.1	111.2	109.6	106.2			164.1
DATE 05-08-75	94.3	93.3	93.0	95.4	96.5	97.6	99.0	101.3	103.0	105.9	108.7	109.8	108.4	104.0			163.0
RUN DBTF-MODEL 4	92.8	93.1	93.8	93.9	95.1	96.2	98.5	100.4	103.3	105.4	106.5	107.5	105.2	101.8			161.4
TAPE X40550	91.6	92.9	93.1	94.5	95.1	96.4	97.8	100.2	102.8	104.9	106.0	106.2	104.1	100.4			160.7
BAR 29.3 HG	89.8	91.8	92.6	93.6	95.5	96.9	98.0	100.5	102.9	104.2	104.4	104.4	102.6	99.3			160.0
99043, N/M2)	90.1	91.9	92.2	93.7	95.4	97.2	99.1	101.1	103.7	103.8	103.6	103.5	101.8	98.4			159.8
TAMB 72, DEG F	89.2	93.0	93.4	95.3	97.3	98.1	99.1	101.3	104.0	102.9	102.1	102.6	100.8	96.5			159.7
(295, DEG K)	88.6	92.4	93.4	95.4	97.1	97.9	99.1	102.0	104.6	101.8	100.8	100.8	99.2	95.5			159.5
THET 56, DEG F	87.4	91.3	92.3	94.9	96.6	97.5	98.9	101.9	104.3	101.3	99.5	98.1	97.1	94.7			159.0
(286, DEG K)	86.1	90.2	91.8	94.0	95.6	96.6	98.7	100.5	102.5	100.1	98.5	96.9	95.4	93.3			157.9
WACT G. GH/M3	83.5	89.1	90.3	92.4	94.5	95.8	96.9	99.2	100.4	98.1	95.5	94.3	92.8	90.1			156.3
(1, KG/M3)	81.2	86.8	87.7	90.5	91.8	92.7	95.4	96.9	98.0	95.2	93.2	92.2	91.0	88.0			154.2
FREQ. SHIFT	79.0	84.7	86.4	89.1	90.1	91.3	92.7	94.5	95.0	93.0	89.2	91.6	91.5	89.4			152.3
JET 9	76.4	81.0	83.0	85.5	86.6	88.4	89.7	91.9	91.8	90.0	86.4	91.5	90.5	87.9			150.4
DIAMETER RATIO	75.4	78.9	79.9	82.7	84.0	84.6	86.3	87.4	88.8	88.3	83.8	92.2	91.9	89.6			149.1
DF/DM 8.00	75.8	75.7	77.0	79.0	80.7	81.2	83.5	84.4	86.2	89.1	84.3	94.6	94.2	92.5			150.7
OVERALL CALCULATED	76.9	75.1	76.0	76.7	79.7	78.5	81.0	82.3	85.3	91.4	85.7	97.2	96.6	94.9			154.5
PND8	78.9	75.3	75.6	76.6	80.1	78.9	81.2	81.7	86.1	93.8	87.4	99.6	98.6	96.8			159.2
	106.8	106.5	106.7	107.2	108.5	109.4	111.2	113.4	115.6	117.4	120.5	124.5	126.2	123.6			177.5
	111.5	113.8	114.6	116.2	117.8	118.9	120.6	122.5	124.3	124.2	124.6	127.3	127.7	125.6			

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ORIGINAL PAGE IS
OF POOR QUALITY

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	0.
REV. ALPHA 12/73		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	(0.)
NO EGA		50	68.8	69.1	74.3	73.2	75.7	76.4	78.9	80.8	82.6	86.1	88.0	91.4	93.4	85.6			
SIDELINE 2400 FT		63	72.6	74.4	75.7	74.8	76.5	78.0	80.5	82.9	83.9	85.5	89.4	95.5	95.1	88.4			
(731.52 M)		80	75.0	76.2	76.6	76.2	77.2	77.9	80.6	82.2	84.9	85.9	92.3	96.6	96.9	90.0			
NFA 0. RPM		100	74.5	75.8	77.2	77.7	78.9	79.1	81.1	83.9	85.7	88.7	91.2	94.9	94.3	90.7			
(0. RAD/SEC)		125	74.7	73.7	75.7	76.5	78.1	79.2	81.3	83.6	85.4	88.9	91.4	92.0	91.8	85.7			
NFK 0. RPM		150	71.9	73.6	75.1	76.2	77.9	79.3	81.9	83.3	84.6	88.6	91.1	92.4	88.4	81.3			
(0. RAD/SEC)		200	68.5	72.9	74.0	75.5	77.1	79.5	81.4	83.3	84.7	87.3	89.5	88.9	84.8	77.5			
NFD 0. RPM		250	59.2	70.8	72.2	75.8	77.6	79.2	80.8	82.9	84.2	86.3	87.8	87.2	83.2	74.8			
(0. RAD/SEC)		315	67.3	70.2	72.7	73.6	76.1	77.6	80.0	81.8	84.3	85.5	85.4	84.6	79.6	71.9			
AIR FLOW RATIO		400	65.5	69.6	71.6	74.3	75.8	77.5	79.1	81.3	83.3	84.7	84.5	82.9	78.0	69.7			
WF/KM 8.00		500	63.0	68.0	70.7	73.1	75.8	77.7	78.9	81.4	83.2	83.7	82.5	80.6	75.9	67.7			
VEHICLE JENOTS		630	62.5	67.4	69.8	72.7	75.3	77.6	79.7	81.5	83.6	82.8	81.2	79.0	74.2	65.5			
CONFIG JE-060		800	60.4	67.7	70.3	73.7	76.7	78.0	79.1	81.2	83.3	81.2	78.9	77.3	72.0	61.9			
LOC EVENDALE		1000	58.5	66.0	69.4	73.0	75.8	77.2	78.5	81.3	83.3	79.4	76.8	74.5	69.1	58.8			
DATE 05-08-75		1250	55.6	63.7	67.3	71.6	74.4	75.9	77.5	80.4	82.1	78.0	74.5	70.5	65.3	55.5			
RUN DBTF-MODEL 4		1600	51.9	60.7	65.2	69.4	72.3	73.9	76.2	77.8	79.1	75.5	71.9	67.4	61.1	50.4			
TARE X40550		2000	46.4	57.4	62.0	66.2	69.7	71.7	73.1	75.1	75.6	71.9	67.1	62.6	55.7	43.0			
FAN TIP SPEED		2500	39.9	51.9	56.7	62.0	64.9	66.7	69.6	70.8	71.1	66.8	62.2	57.3	49.7	34.6			
FT/SEC		3150	30.9	44.7	51.2	56.9	59.8	62.1	63.8	65.2	64.7	60.9	54.0	51.6	43.4	26.0			
OVERALL CALCULATED		4000	18.3	33.3	41.5	47.8	51.3	54.4	56.1	56.9	56.5	52.3	44.8	43.8	32.4	9.4			
PNDB		5000	11.4	26.7	34.7	41.8	45.6	47.8	50.0	50.6	50.6	47.4	38.5	40.0	27.9	2.3			
		6300		10.4	20.9	28.7	33.9	36.3	39.2	39.5	39.4	38.8	28.3	29.3	13.0				
		8000			3.4	11.9	19.8	21.1	24.4	24.9	25.3	26.7	13.1	11.8					
		10000					1.8	4.2	7.6	6.9	7.8	9.0							
			82.1	83.8	85.5	86.7	88.7	90.1	92.1	94.2	96.0	97.6	99.9	102.5	102.0	95.8			
			82.0	85.9	88.5	91.5	94.1	95.8	97.8	99.7	101.2	101.0	101.4	101.9	100.9	93.6			

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE = MONTH 57 DAY 0 HR 00
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HGA, DAY = JENOTS)

SPL INPUT AT STD REV, ALPHA 12273	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	
NO EGA	50	88.4	87.0	90.1	88.7	90.2	90.0	92.3	94.8	97.3	101.8	103.8	109.8	112.2	109.6			162.3
RDG, NO. 0.	63	92.1	92.1	91.6	89.8	90.5	91.4	93.5	98.0	97.9	99.9	104.7	112.6	115.1	110.1			164.3
RADIAL 320, FT. (98, M)	80	93.6	93.7	92.5	91.0	92.0	91.8	93.9	95.9	98.7	101.7	108.2	114.3	115.4	111.8			165.8
VEHICLE JENOTS	100	93.0	93.7	92.6	92.3	93.0	92.0	94.2	97.4	99.3	104.0	108.2	112.5	113.2	113.0			164.8
CONFIG JE#050	125	93.8	91.1	92.5	91.7	92.3	92.9	94.9	97.3	99.6	103.8	108.5	111.4	111.1	108.9			163.4
LOC EVENDALE	160	92.7	92.4	92.1	91.8	92.7	93.2	95.7	97.2	99.7	104.1	109.1	112.7	110.2	106.2			163.7
DATE 05-08-75	200	90.8	91.7	91.4	91.3	92.8	93.7	95.3	97.2	99.3	103.5	107.8	110.0	108.4	103.2			161.9
RUN DBTF-MODEL 4	250	91.1	91.1	89.5	91.9	92.7	93.6	94.8	96.6	99.3	102.6	106.4	109.3	107.3	101.0			161.0
TAPE X40560	315	89.6	90.1	90.0	89.2	90.9	91.9	94.2	96.7	99.0	102.1	104.0	107.9	104.2	98.0			159.4
BAR 29.3 HG	400	87.6	88.9	89.3	90.0	91.4	91.9	93.3	95.6	98.1	101.4	102.9	106.6	101.8	95.4			158.2
(99043, N/42)	500	85.7	88.3	89.0	90.1	91.4	92.9	94.4	96.2	97.8	99.7	100.8	103.6	97.6	91.8			156.4
TAMB 73, DEG F	630	84.5	88.0	88.4	90.4	91.8	93.1	94.6	96.0	98.6	99.5	99.2	99.6	94.0	88.9			155.3
(296, DEG K)	800	84.1	87.9	88.8	90.4	92.5	92.5	93.5	95.2	97.4	98.3	97.0	96.3	91.2	86.7			153.9
THET 58, DEG F	1000	82.9	87.0	88.0	89.7	91.2	91.3	92.7	95.1	96.2	97.4	95.1	93.9	89.6	86.1			152.9
(288, DEG K)	1250	82.4	87.6	89.4	91.2	91.9	91.3	92.1	94.9	96.5	96.3	93.8	91.1	88.8	86.9			152.7
HACT 0' GM/M3	1600	81.4	87.4	89.5	90.5	90.6	91.1	92.2	95.0	95.9	94.6	92.2	90.2	88.6	87.8			152.1
FREQ, SHIFT	2000	80.0	87.0	89.0	89.8	90.3	89.8	90.6	93.4	95.2	94.3	90.7	89.0	88.8	87.6			151.5
JET 9	2500	77.2	85.2	87.4	87.3	87.0	86.2	87.8	89.8	91.9	92.4	88.4	86.6	86.4	85.5			149.0
DIAMETER RATIO	3170	73.4	82.1	84.4	84.5	83.8	83.8	85.2	87.2	88.4	88.2	84.4	83.8	84.4	82.9			146.3
BF/DM 8.00	4000	69.4	77.7	79.3	81.0	80.0	81.3	82.2	83.8	84.2	85.0	82.4	81.7	82.3	79.7			143.7
OVERALL CALCULATED	5000	66.7	75.4	76.4	77.5	77.3	77.1	78.0	80.4	81.8	81.9	80.3	81.0	81.9	79.9			141.5
PNEB	6300	63.6	70.8	72.8	74.1	73.0	74.8	77.3	78.0	78.3	80.7	81.2	83.9	84.3	80.9			142.1
	8000	63.1	67.3	68.5	70.0	70.0	74.5	76.5	77.1	76.3	81.7	83.2	86.7	86.6	82.9			145.2
	10000	64.2	65.8	65.6	66.3	68.8	76.4	78.0	77.7	74.6	83.6	85.7	88.7	88.4	85.4			149.6
		102.2	102.7	103.0	103.2	104.2	104.6	106.3	108.5	110.6	113.6	117.2	121.4	121.6	118.5			173.5
		106.6	110.6	112.0	112.5	113.1	113.3	114.7	116.9	118.6	119.9	121.2	123.7	122.3	119.8			

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ORIGINAL PAGE IS
 OF POOR QUALITY

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)
SPL INPUT AT STD	REV. ALPHA 12/73	FREQ.	50	64.6	65.4	70.0	69.7	71.9	72.2	74.7	77.0	79.1	82.9	83.7	88.2	88.4	82.3		
	NO EGA	53	68.1	70.4	71.5	70.8	72.2	73.5	75.8	78.1	79.7	81.0	84.6	91.0	91.1	82.6			
SIDELINE	2400 FT	80	69.5	72.0	72.3	71.9	73.7	73.9	76.1	78.0	80.4	82.7	88.1	92.6	91.4	84.2			
	(731.52 M)	100	68.8	71.8	72.4	73.2	74.6	74.1	76.4	79.4	80.9	84.9	88.0	90.7	89.0	85.2			
NFA	0. RPM	125	69.5	69.2	72.2	72.5	73.8	74.9	77.0	79.3	81.2	84.7	88.1	89.5	86.8	80.9			
	(0. RAD/SEC)	160	68.2	70.3	71.6	72.5	74.2	75.1	77.7	79.1	81.1	84.8	88.6	90.6	85.6	77.8			
NFK	0. RPM	200	66.0	69.4	70.8	72.0	74.1	75.5	77.2	79.0	80.6	84.0	87.2	87.6	83.6	74.5			
	(0. RAD/SEC)	250	66.0	67.5	68.7	72.3	73.9	75.2	76.5	78.2	80.6	83.0	85.6	86.7	82.2	71.8			
NFB	0. RPM	315	64.0	67.2	68.9	69.3	71.8	73.3	75.8	78.1	80.0	82.7	82.9	85.1	78.6	68.1			
	(0. RAD/SEC)	400	61.5	65.6	67.8	69.8	72.0	73.0	74.6	76.8	78.7	81.2	81.5	83.3	75.7	64.7			
AIR FLOW	RATIO	500	58.9	64.7	67.2	69.6	71.8	73.7	75.4	77.1	78.2	79.2	79.0	79.8	70.8	60.1			
	8.00	630	56.9	63.6	66.0	69.4	71.7	73.5	75.2	76.5	78.5	78.5	76.8	75.2	66.4	55.9			
		800	55.3	62.6	65.7	68.8	71.8	72.4	73.5	75.1	76.7	76.6	73.8	70.9	62.4	52.0			
VEHICLE	JENOTS	1000	52.8	60.6	64.0	67.4	69.9	70.8	72.1	74.4	74.9	75.0	71.2	67.6	59.5	49.4			
CCNFIG	JE*G60	1250	50.6	60.0	64.4	67.9	69.7	69.7	70.8	73.4	74.4	73.0	68.8	63.5	57.0	47.7			
LOC	EVENDALE	1600	47.2	57.9	63.0	65.9	67.3	68.4	69.7	72.3	72.1	70.0	65.7	60.7	54.4	44.9			
DATE	05-08-75	2000	42.9	55.3	60.7	63.6	65.4	65.7	66.8	69.3	70.3	68.1	62.4	57.3	51.6	40.5			
RUN	DBTF-MODEL 4	2500	35.9	50.3	56.4	59.0	60.1	60.1	62.0	63.8	65.0	64.0	57.4	51.7	45.1	32.0			
TARE	X40560	3150	25.4	42.1	49.2	52.3	53.5	54.5	56.3	57.9	58.2	56.1	49.2	43.8	36.4	19.4			
FAN TIP SPEED		4000	11.3	30.0	37.7	43.3	44.7	47.3	48.6	49.9	48.9	47.3	40.8	34.0	24.1	1.1			
	FT/SEC	5000	2.7	23.2	31.2	36.6	39.1	40.3	42.7	43.7	43.6	41.0	35.1	28.8	17.9				
		6300		5.5	16.8	23.8	26.2	29.9	33.1	33.1	31.5	30.4	25.2	18.6	8.1				
		8000				5.2	10.0	17.2	20.0	19.7	16.3	16.9	10.6	1.3					
		10000						1.7	4.4	3.0									
OVERALL CALCULATED			77.4	79.9	81.6	82.7	84.6	85.6	87.5	89.5	91.3	93.9	96.6	99.4	99.4	90.7			
	PNDB		77.3	82.0	85.1	87.5	89.4	90.4	92.1	94.3	95.5	97.0	98.1	99.1	95.1	88.2			

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHIL		
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.			
REV. ALPHA 12/78		FREQ. (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)			
NO EGA		50	86.7	84.2	88.6	86.7	87.4	88.2	90.6	92.6	94.8	99.8	92.0	97.3	99.7	97.6	100.0	133.4		
RIG: NO. 0.		83	89.6	89.3	89.3	86.8	88.0	88.4	91.0	92.5	94.4	97.7	91.7	99.4	102.1	97.1	100.0	133.7		
RADIAL 320 FT.		100	90.8	90.0	90.5	88.5	89.7	89.3	91.9	93.6	96.4	99.2	95.2	101.6	102.4	99.8	100.0	133.3		
VEHICLE JENOTS		125	92.1	90.4	90.5	89.9	90.3	91.4	93.7	95.1	97.1	101.8	96.5	99.7	99.9	98.7	100.0	133.4		
CCNFIG JE-850		150	92.0	90.9	90.9	90.3	91.5	92.2	94.2	95.2	97.9	102.4	97.1	101.2	100.7	97.4	100.0	133.2		
LCC EVENDALE		250	92.1	91.5	90.7	90.3	91.3	92.5	94.3	95.7	97.8	101.8	96.1	99.2	100.1	96.0	100.0	133.3		
DATE 05-08-75		315	90.1	89.6	89.0	88.2	89.9	90.7	92.2	94.7	97.3	100.3	92.5	96.9	97.2	93.0	100.0	133.3		
RUN DETF=MODEL 4		400	87.3	87.9	87.5	88.0	88.9	90.1	91.9	93.9	96.6	100.1	91.7	95.9	95.6	89.9	100.0	133.3		
TAPE 42970		500	84.7	85.7	85.5	86.8	87.7	89.9	91.2	93.5	95.8	99.2	90.1	92.6	89.8	84.5	100.0	133.0		
BAR 2903 HQ		630	83.0	84.0	84.6	85.6	87.1	88.4	90.6	93.0	96.1	98.3	88.5	89.4	86.5	79.9	100.0	131.2		
99077, N/M2		800	81.6	83.7	83.8	85.4	87.2	88.0	89.5	91.7	94.4	96.5	85.5	85.8	83.2	75.7	100.0	149.8		
TAMB 73, DEG F		1000	80.4	82.7	83.5	85.0	86.5	87.8	88.9	91.4	93.5	95.4	83.9	82.4	79.8	73.6	100.0	149.0		
(296, DEG K)		1250	79.7	82.6	83.4	85.2	86.4	87.0	88.6	92.2	93.3	95.8	82.5	79.9	76.8	72.2	100.0	149.2		
THET 58, DEG F		1600	77.6	80.7	82.5	83.0	85.1	86.1	87.7	90.3	92.2	93.6	81.2	78.2	75.1	72.0	100.0	147.8		
(288, DEG K)		2000	74.5	78.8	79.8	81.6	83.0	83.8	85.4	88.4	89.9	91.1	79.7	75.5	72.3	69.4	100.0	145.7		
MACT C, GM/M3		2500	70.7	75.7	76.7	78.2	79.2	79.9	82.3	85.1	86.9	87.7	77.1	72.4	70.2	67.2	100.0	145.8		
(1, KG/M3)		3150	67.4	73.4	75.1	75.5	76.0	76.5	78.9	81.2	83.2	84.0	72.9	70.8	70.2	67.4	100.0	138.7		
FREQ. SHIFT		4000	63.7	69.5	71.3	71.0	71.0	72.6	74.4	77.3	78.5	80.5	69.9	70.0	69.5	66.2	100.0	136.8		
JET 9		5000	62.5	66.4	67.4	67.7	68.3	67.8	69.8	73.4	74.1	77.9	68.6	70.5	70.9	68.2	100.0	133.7		
DIAMETER RATIO		6300	63.6	64.6	64.3	65.1	66.0	64.6	66.8	72.3	71.0	78.9	70.9	73.4	73.5	70.4	100.0	133.0		
DF/CM 8.00		8000	65.9	64.1	63.7	64.2	66.8	64.8	66.5	74.6	71.8	81.2	73.5	76.4	76.1	73.2	100.0	138.0		
OVERALL CALCULATED		10000	67.4	64.5	64.1	64.3	68.6	66.4	68.8	77.2	73.4	84.1	75.7	78.7	78.9	75.9	100.0	144.1		
PNDB			101.0	105.5	106.1	106.6	107.9	108.7	110.5	113.1	114.9	117.8	109.7	112.2	112.4	109.1	100.0	168.0		

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☆ 10 dB TOO LOW

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
REV: ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	90	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	62.8	62.6	68.5	67.7	69.2	70.4	72.9	74.8	76.6	80.9	72.0	75.7	75.9	70.3			
SIDELINE 240G FT?	63	65.6	67.7	69.2	67.8	69.7	70.5	73.3	74.6	76.2	78.7	71.6	77.7	78.1	69.6			
(731.52 M)	80	66.8	68.2	70.3	69.4	71.4	71.4	74.1	75.7	78.1	80.2	75.1	79.8	78.4	72.2			
NFA	100	67.5	69.3	70.7	70.9	71.9	72.1	74.6	76.9	78.4	81.7	75.5	78.2	76.5	74.2			
(0. RPM)	125	67.7	68.4	70.2	70.7	71.8	73.4	75.8	77.1	78.7	82.7	76.1	77.7	75.5	70.7			
(0. RAD/SEC)	160	67.4	68.6	70.4	71.2	72.9	74.1	76.2	77.1	79.4	83.1	76.6	79.1	76.1	69.1			
NFK	200	66.2	69.1	70.0	71.0	72.6	74.3	76.2	77.5	79.1	82.3	75.5	76.9	75.3	67.2			
(0. RAD/SEC)	250	67.0	67.5	68.7	71.8	73.1	73.7	75.3	77.2	78.9	81.7	74.1	75.7	74.7	66.3			
NFD	315	64.5	66.7	67.9	68.3	70.8	72.1	73.8	76.1	78.2	80.5	71.4	74.1	71.6	63.1			
(0. RAD/SEC)	400	64.2	64.6	66.1	67.8	69.5	71.3	72.8	75.0	77.2	80.0	70.3	72.6	69.5	59.2			
AIRFLOW RATIO	500	57.9	61.9	63.7	66.3	68.0	70.7	72.1	74.3	76.2	78.7	68.2	68.8	63.1	52.9			
WF/KM 8.00	630	55.4	59.6	62.3	64.6	67.0	68.8	71.2	73.5	76.0	77.3	66.1	64.9	58.9	46.9			
	800	52.8	58.3	60.7	63.8	66.6	67.9	69.5	71.6	73.7	74.9	62.3	60.4	54.4	41.0			
VEHICLE JEN TS	1000	53.3	56.4	59.5	62.6	65.1	67.0	68.4	70.6	72.1	73.6	59.9	56.1	49.7	36.9			
CCNF IG JE-J50	1250	47.9	55.0	58.4	61.9	64.2	65.5	67.3	70.6	71.1	72.5	57.5	52.2	45.0	33.0			
LOC EVENDACH	1600	43.4	51.2	56.0	58.4	61.8	63.4	65.2	67.6	68.8	69.0	54.7	48.7	40.9	29.2			
DATE C5-C8-75	2000	37.4	47.1	51.4	54.4	58.2	59.7	61.6	64.3	65.1	64.9	51.4	43.8	35.1	22.2			
RLN DBTF-MODEL 4	2500	29.4	40.8	45.7	49.7	52.3	53.9	56.5	59.0	60.0	59.2	46.1	37.5	28.8	13.8			
TAPE 40870.	3150	19.4	33.4	39.9	43.3	45.7	47.3	50.0	51.9	52.9	51.8	37.7	30.8	22.1	3.9			
FAN TIR SPEED.	4000	5.5	21.8	29.7	33.3	35.7	38.6	40.8	43.4	43.2	42.8	28.3	22.2	11.4				
FT/SEC	5000		14.2	22.2	26.8	30.1	31.1	33.5	36.7	35.8	37.0	23.3	18.3	6.9				
	6300			8.3	14.8	19.2	19.7	22.6	27.4	24.2	28.6	14.9	8.1					
	8000					6.8	7.4	10.0	17.2	11.8	16.4	0.9						
	10000							2.5										
OVERALL CALCULATED		76.2	78.0	79.8	80.5	82.2	83.4	85.4	87.2	89.1	92.0	84.5	87.3	85.8	79.8			
PNDB		76.7	79.6	81.7	83.9	85.9	87.1	89.1	91.2	93.0	95.3	86.1	87.2	84.7	76.7			

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☆ 10 dB TOO LOW

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL		
		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	210.
SPL INPUT AT STD		10.52	10.70	10.87	11.05	11.22	11.40	11.57	11.75	11.92	12.09	12.27	12.44	12.62	12.79	12.97	13.14	13.32	13.49	13.67
REV: ALPHA 12/73		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
RDG. NO. 0.		93.4	91.5	95.3	92.7	94.2	94.5	97.1	99.1	101.3	106.1	109.3	114.5	117.5	113.1	170.3	171.7	171.1	169.5	169.1
VEHICLE JENOTS		96.6	96.8	96.6	93.8	95.2	96.4	98.5	101.0	102.7	105.4	110.7	118.9	120.6	116.3	166.9	165.8	164.0	162.6	161.3
CONFIG JET060		99.6	98.7	98.0	96.2	96.7	97.0	99.4	101.1	103.9	106.7	114.2	120.1	121.7	117.3	161.3	160.8	160.1	159.8	159.6
LOC EVENDALE		99.2	98.9	98.4	97.5	98.0	98.0	99.9	103.1	104.8	109.3	114.2	119.3	119.7	118.7	158.9	157.5	155.2	153.4	151.4
DATE 05-08-75		99.3	96.6	97.8	96.9	97.3	98.2	100.2	102.1	104.9	109.6	115.2	117.7	117.1	114.2	150.0	150.0	150.0	150.0	150.0
RUN DBTF-MODEL 4		97.5	97.4	97.4	96.5	97.7	98.2	100.7	102.2	104.7	109.6	115.1	118.5	114.4	109.9	150.0	150.0	150.0	150.0	150.0
TAPE X40580		95.1	96.7	95.9	96.0	97.3	98.2	100.3	102.5	104.8	108.8	113.6	115.2	111.9	106.5	150.0	150.0	150.0	150.0	150.0
BAR 29.3 HG		96.1	95.3	94.5	96.7	97.5	98.4	99.8	101.8	104.0	107.9	112.2	114.3	109.9	104.8	150.0	150.0	150.0	150.0	150.0
199043, N/M2		94.8	95.1	95.5	94.7	96.1	97.2	99.0	101.2	104.3	107.4	110.0	111.7	106.7	101.3	150.0	150.0	150.0	150.0	150.0
TAMB 72, DEG F		93.4	94.4	94.6	95.5	96.9	97.1	98.6	100.7	103.4	106.7	109.0	109.2	104.6	99.4	150.0	150.0	150.0	150.0	150.0
(295, DEG K)		91.3	93.0	93.6	95.1	96.2	97.9	99.0	101.3	103.4	105.2	107.4	106.1	101.1	97.3	150.0	150.0	150.0	150.0	150.0
TKET 56, DEG F		90.8	94.1	93.5	95.2	96.1	97.4	99.1	101.4	103.9	104.8	106.3	104.5	100.3	96.4	150.0	150.0	150.0	150.0	150.0
(286, DEG K)		91.2	96.0	95.4	96.5	97.3	98.1	99.1	101.6	103.5	103.4	104.3	102.6	99.0	95.5	150.0	150.0	150.0	150.0	150.0
HACT 0, GM/M3		90.3	95.6	95.4	97.4	98.4	98.7	99.1	101.5	103.9	102.8	102.3	100.8	99.4	96.8	150.0	150.0	150.0	150.0	150.0
FREQ. SHIFT		87.9	93.7	94.3	96.7	98.6	98.6	100.2	101.3	102.2	100.6	99.2	97.4	95.4	93.8	150.0	150.0	150.0	150.0	150.0
JET 9		85.3	91.8	92.3	94.4	97.0	97.6	98.4	100.4	100.7	98.6	97.0	95.8	92.5	90.4	150.0	150.0	150.0	150.0	150.0
DIAMETER RATIO		82.2	89.3	90.0	92.3	93.8	94.2	95.9	97.4	99.0	96.2	94.2	92.7	91.2	88.8	150.0	150.0	150.0	150.0	150.0
DF/DM 8.00		80.0	86.4	88.2	91.1	91.8	92.6	93.2	94.2	95.7	93.5	92.0	92.4	92.0	89.9	150.0	150.0	150.0	150.0	150.0
OVERALL CALCULATED		76.4	82.5	83.8	87.2	87.8	89.9	90.4	91.4	92.3	90.7	90.1	91.5	91.5	88.4	150.0	150.0	150.0	150.0	150.0
PNR8		75.5	77.2	77.7	79.5	81.2	82.0	84.0	84.7	86.4	89.8	92.8	95.8	97.7	98.4	150.0	150.0	150.0	150.0	150.0
		77.6	76.3	76.5	77.4	80.0	79.0	81.0	82.3	85.8	91.9	95.0	97.7	98.4	94.9	150.0	150.0	150.0	150.0	150.0
		79.2	76.8	76.6	76.8	80.6	78.9	80.7	81.7	86.3	94.6	96.9	100.1	99.9	96.8	150.0	150.0	150.0	150.0	150.0
		107.6	108.2	108.3	108.6	109.7	110.3	111.9	114.0	116.2	118.9	123.3	127.1	127.2	123.8	179.2				
		112.6	116.0	116.3	118.0	119.5	120.1	121.3	123.2	124.8	125.2	127.8	129.6	126.4	125.7					

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD		30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0
REV: ALPHA 12/73		PREQ: (0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)
NO EGA		50	69.6	69.9	75.3	73.7	75.9	76.7	79.4	81.3	83.1	87.1	89.2	92.9	93.6	85.8	
SIDELINE 2400 FT,		63	72.6	75.2	76.5	74.8	77.0	78.5	80.8	83.1	84.4	86.5	90.6	97.2	96.6	88.9	
(731.52 M)		80	75.5	77.0	77.8	77.2	78.4	79.1	81.6	83.2	85.6	87.7	94.1	98.3	97.6	89.7	
NFA 0 RPM		100	75.0	77.1	78.2	78.4	79.6	80.1	82.1	85.2	86.4	90.2	94.0	97.4	95.5	90.9	
(0 RAD/SEC)		125	75.0	74.7	77.4	77.7	78.8	80.2	82.3	84.1	86.4	90.4	94.9	95.7	92.8	86.2	
NFK 0 RPM		160	72.9	75.3	76.9	77.2	79.2	80.1	82.7	84.1	86.1	90.3	94.6	96.4	89.9	81.6	
(0 RAD/SEC)		200	70.2	74.4	75.3	76.5	78.6	80.0	82.2	84.3	86.2	89.3	93.0	92.9	87.1	77.7	
NFD 0 RPM		250	71.0	72.8	73.7	77.0	78.6	80.0	81.5	83.4	85.2	88.3	91.3	91.7	84.7	75.6	
(0 RAD/SEC)		315	69.3	72.2	74.4	74.9	77.1	78.6	80.5	82.6	85.3	87.5	88.9	88.8	81.1	71.4	
AIRFLOW RATIO		400	67.2	71.1	73.1	75.3	77.6	78.3	79.9	81.8	84.0	86.5	87.5	85.9	78.5	68.7	
WF/W 8.00		500	64.5	69.2	71.7	74.6	76.6	78.7	79.9	82.1	83.7	84.7	85.5	82.3	74.4	65.7	
		630	63.2	69.6	71.1	74.2	76.0	77.9	79.7	81.8	83.8	83.8	83.9	80.0	72.7	63.5	
		800	62.4	70.7	72.3	74.9	76.7	78.0	79.1	81.5	82.8	81.7	81.2	77.3	70.3	60.9	
VEHICLE JENOTS		1000	60.2	69.3	71.4	75.0	77.0	77.9	78.5	80.8	82.5	80.4	78.3	74.5	68.1	58.8	
CONFIG JE4060		1250	57.8	67.7	70.3	74.4	76.4	77.4	78.3	80.4	81.8	78.0	75.7	71.7	65.0	55.0	
LOC EVENDALE		1600	53.7	64.2	67.7	72.1	75.3	75.9	77.7	78.6	78.8	76.0	72.7	67.9	61.1	50.9	
DATE 05-08-75		2000	48.1	60.1	64.0	68.2	72.2	73.5	74.6	76.4	75.9	72.4	68.6	64.1	53.4	43.3	
RUN DBTF-MODEL 4		2500	40.9	54.4	59.0	63.8	66.9	68.2	70.1	71.3	72.1	67.8	63.2	57.8	49.9	35.3	
TAPE X40580		3150	31.9	46.4	53.0	58.9	61.5	63.3	64.3	65.0	65.5	61.4	56.8	52.4	43.9	26.5	
FAN TIP SPEED		4000	18.3	34.8	42.2	49.6	52.5	55.9	56.9	57.4	57.0	53.0	48.6	43.8	33.4	9.9	
FT/SEC		5000	11.4	27.5	35.4	43.3	46.6	48.5	50.5	51.4	51.1	47.9	44.8	39.7	28.6	2.3	
		6300		11.9	21.7	29.2	34.4	37.1	39.7	39.8	39.6	39.5	36.8	30.5	14.0		
		8000			3.9	12.7	20.0	21.6	24.4	24.9	25.8	27.2	22.4	12.3			
		10000				2.3	4.2	7.1	6.9	8.0	9.7	1.2					
OVERALL CALCULATED			82.8	85.2	86.9	87.9	89.8	90.9	92.8	94.8	96.6	99.1	102.7	105.1	105.1	96.0	
PNDB			83.2	87.9	90.3	93.4	95.9	97.1	98.8	100.4	101.5	102.4	104.4	104.7	100.6	93.7	

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE MONTH 63 DAY 70
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUMIDITY, DAY - JENOTS)

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0	PWL
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.1)	(0.1)	(0.1)	
RDG. NO. EGA	50	91.9	89.5	92.8	91.2	92.2	93.0	95.1	97.3	99.6	104.1	107.3	112.8	115.2	111.6				165.2
RADIAL 320, FT.	63	94.6	94.8	94.6	92.0	93.7	94.1	96.5	99.0	100.7	103.2	108.5	116.9	110.8	114.1				168.4
(98.4)	80	96.8	97.2	95.7	94.2	94.5	95.0	97.1	98.9	101.7	105.5	112.7	118.3	118.9	114.8				169.5
VEHICLE JENOTS	100	96.5	96.9	96.4	95.8	95.8	96.0	97.9	100.6	102.8	107.5	113.2	118.0	117.5	116.5				169.3
CONFIG JE#060	125	97.1	94.9	96.0	95.2	95.5	96.4	98.4	100.3	103.4	107.6	113.7	115.4	114.6	112.7				167.5
LCC EVENDALE	160	96.2	95.9	96.4	95.5	95.7	96.7	98.9	101.2	103.2	107.9	114.6	118.0	113.7	109.4				168.4
DATE 35-08-75	200	93.8	95.0	94.9	95.0	96.3	97.2	99.3	101.0	103.3	107.8	113.3	115.2	112.4	106.5				166.7
RUN DBTF-MODEL 4	250	95.1	93.6	93.3	95.7	96.2	96.9	98.3	100.6	103.5	106.6	112.2	115.0	110.1	104.5				165.9
TARE X40590	315	94.3	94.6	95.0	94.0	94.6	95.7	98.0	100.4	103.3	107.1	110.3	113.7	107.2	100.8				164.6
BAR 29.3 HG	400	93.4	94.2	94.1	95.3	95.9	96.1	96.8	99.9	102.1	105.9	109.5	111.4	104.6	98.2				163.1
(99343, N/42)	500	91.5	93.3	93.1	94.1	95.5	96.9	97.2	99.3	101.9	104.5	107.6	108.4	100.6	94.8				161.2
TAMB 721 DEG F	630	90.8	93.6	93.5	94.2	95.1	96.4	97.9	99.6	102.2	103.6	106.3	105.7	97.8	93.2				160.1
(295, DEG K)	800	90.2	94.0	94.4	95.8	96.1	96.1	97.1	99.3	100.7	102.6	103.3	102.6	95.5	91.5				158.6
THET 561 DEG F	1000	89.8	93.1	93.4	96.4	97.1	96.7	96.8	98.8	100.9	101.0	101.0	99.8	94.0	91.0				157.7
(286, DEG K)	1250	88.6	92.6	93.6	95.9	96.6	96.7	96.6	98.9	100.0	100.5	99.0	97.9	93.3	90.7				157.1
HACT 0. GH/M3	1600	86.6	91.2	93.0	95.2	96.4	96.4	97.7	98.8	99.2	98.6	97.2	95.4	92.6	91.0				156.5
(, KG/M3)	2000	83.8	89.6	91.3	93.6	94.8	94.6	95.9	97.9	99.4	97.3	95.2	93.3	90.5	88.9				155.6
FREQ. SHIFT	2500	80.2	86.3	88.5	90.5	91.0	91.0	92.9	94.1	96.7	95.5	92.9	90.7	88.0	85.8				152.9
JET 9	3150	78.0	83.9	85.2	87.8	87.8	88.6	90.0	90.7	93.2	92.3	89.0	87.6	86.5	83.9				150.2
DIAMETER RATIO	4000	74.2	80.0	82.0	84.0	84.3	86.1	87.2	87.9	88.8	89.5	86.1	86.0	84.3	81.4				147.8
DF/DM 8.00	5000	74.4	77.4	79.1	80.9	81.8	82.3	83.8	84.2	85.8	88.1	84.8	84.9	84.4	81.6				145.9
OVERALL CALCULATED	6300	75.0	75.7	76.5	78.0	78.9	79.2	81.5	81.9	81.9	89.3	84.1	87.8	86.4	83.3				146.7
PND8	8000	78.1	75.3	75.7	76.4	79.0	77.2	79.5	80.0	79.3	91.4	85.7	89.9	89.4	86.2				149.9
	10000	78.7	76.3	76.1	76.3	80.1	78.9	80.7	80.7	77.6	94.6	87.9	91.6	90.9	87.8				154.8
		106.0	106.6	106.8	107.3	108.0	108.5	110.0	112.1	114.3	117.6	122.5	126.2	125.2	121.8				177.8
		111.6	114.1	115.1	116.6	117.5	117.7	119.1	120.9	122.7	124.2	126.6	128.7	125.8	122.9				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
REV, ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	
NO EGA	50	68.1	67.9	72.8	72.2	73.9	75.2	77.4	79.5	81.3	85.1	87.2	91.2	91.4	84.3				
SIDELINE 2400 FT	63	70.6	73.2	74.5	73.0	75.5	76.3	78.8	81.1	82.4	84.2	88.4	95.2	94.9	86.6				
(731.52 M)	80	72.8	75.5	75.6	75.2	76.2	77.1	79.4	81.0	83.4	86.4	92.6	96.6	94.9	87.2				
NFA (0, RPM)	100	72.3	75.1	76.2	76.7	77.4	78.1	80.1	82.7	84.4	88.4	93.0	96.2	93.3	88.7				
(0, RAD/SEC)	125	72.7	72.9	75.7	76.0	77.1	78.4	80.5	82.3	84.9	88.4	93.4	93.5	90.3	84.7				
NFK (0, RPM)	160	71.7	73.8	75.9	76.2	77.2	78.6	80.9	83.1	84.6	88.6	94.1	95.9	89.1	81.1				
(0, RAD/SEC)	200	69.0	72.7	74.3	75.5	77.6	79.0	81.2	82.8	84.7	88.3	92.7	92.9	87.6	77.7				
NFD (0, RPM)	250	70.0	71.0	72.5	76.0	77.4	78.5	80.0	82.2	84.6	87.0	91.3	92.4	85.0	75.3				
(0, RAD/SEC)	315	68.8	71.7	73.9	74.1	75.6	77.1	79.5	81.8	84.3	87.2	89.2	90.8	81.6	70.9				
AIRFLOW RATIO	490	67.2	70.9	72.6	75.1	76.6	77.3	78.1	81.1	82.8	85.7	88.0	88.1	78.5	67.5				
WF/WM 8.00	500	64.7	69.5	71.2	73.6	75.8	77.7	78.2	80.1	82.2	84.0	85.8	84.6	73.9	63.2				
	630	63.2	69.1	71.1	73.2	75.0	76.9	78.5	80.0	82.1	82.6	83.9	81.3	70.2	60.2				
	800	61.4	68.7	71.3	74.2	75.4	76.0	77.1	79.2	80.1	81.0	80.2	77.3	66.8	56.9				
VEHICLE JENOTS	1000	59.7	66.8	69.4	74.0	75.8	75.9	76.3	78.0	79.5	78.6	77.1	73.5	63.9	54.3				
CONFIG JE-360	1250	56.8	64.9	68.6	72.6	74.4	75.2	75.3	77.4	77.8	77.2	74.0	70.2	61.5	51.5				
LCC EVENDALE	1600	52.4	61.7	66.5	70.6	73.0	73.7	75.2	76.1	75.8	74.0	70.7	65.9	58.4	48.2				
DATE 05-08-75	2000	46.6	57.9	63.0	67.4	70.0	70.5	72.1	73.9	74.6	71.2	66.9	61.6	53.4	41.8				
RUN DBTF-MODEL 4	2500	38.9	51.4	57.5	62.0	64.1	64.9	67.1	68.1	69.8	67.0	61.9	55.8	46.7	32.3				
TAPE X40590	3150	29.9	43.9	50.0	55.6	57.5	59.3	61.1	61.5	63.0	60.1	53.8	47.6	38.4	20.5				
FAN TIP SPEED	4000	16.0	32.3	40.5	46.3	49.0	52.1	53.6	53.9	53.5	51.8	44.6	38.3	26.1	2.9				
FT/SEC	5000	10.4	25.2	33.9	40.0	43.5	45.5	47.5	47.4	47.6	47.2	39.6	32.7	20.4					
	6300		10.4	20.4	27.7	32.1	34.3	37.2	37.0	35.1	39.0	28.1	22.5	5.2					
	8000			3.1	11.7	19.0	19.9	22.9	22.7	19.3	26.7	13.1	4.5						
	10000					1.8	4.2	7.1	5.9		9.7								
OVERALL CALCULATED		81.0	83.6	85.4	86.7	88.2	89.3	91.0	93.0	94.9	97.7	101.8	104.1	101.0	93.0				
PND8		82.0	86.5	89.1	92.0	94.0	95.0	96.6	98.1	99.6	101.4	103.7	104.3	98.8	91.7				

SPL INPUT AT STD REV, ALPHA 12/73	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL
		30,	40,	50,	60,	70,	80,	90,	100,	110,	120,	130,	140,	150,	160,	170,	180,	
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	
RDG, NO EGA	50	89.7	88.2	90.8	89.4	90.4	91.0	93.3	95.6	98.1	102.6	105.0	110.0	112.5	110.1	106.1	102.8	162.8
RADIAL 320, FT,	63	93.1	93.1	92.6	90.5	91.2	92.4	94.2	96.7	98.2	100.9	106.2	114.6	116.6	111.6	106.1	102.8	166.1
(98,)	80	95.3	95.2	94.2	93.2	93.2	93.0	94.9	97.1	99.9	103.7	111.0	116.8	116.4	113.1	106.1	102.8	167.6
VEHICLE JENOTS	100	96.0	96.2	94.9	94.8	94.3	94.3	96.2	98.1	101.3	105.5	111.7	115.8	115.7	115.2	106.1	102.8	167.6
CONFIG JE-050	125	97.6	94.4	95.0	94.4	94.8	95.4	97.2	99.1	101.6	106.8	113.2	115.4	114.6	112.7	106.1	102.8	167.3
LCC EVENDALE	160	97.0	96.2	95.9	95.3	95.7	96.2	97.9	99.7	101.9	106.9	114.6	118.2	114.7	111.2	106.1	102.8	168.7
DATE 05-08-75	200	95.5	96.0	95.2	95.2	96.1	96.5	98.5	100.2	102.1	107.3	113.8	116.5	113.9	109.0	106.1	102.8	167.5
RUN DBTF-MODEL 4	250	97.1	95.3	94.3	96.2	96.5	97.1	97.8	100.1	102.7	106.6	112.4	117.0	113.8	108.0	106.1	102.8	167.4
TAPE X40600	315	96.1	96.6	95.3	94.0	94.6	95.7	97.2	99.4	102.5	106.3	110.5	115.9	111.2	105.7	106.1	102.8	166.0
BAR 29.3 HG	400	95.1	95.7	95.0	95.2	95.4	94.9	96.3	98.9	101.8	106.1	109.9	114.6	109.3	102.9	106.1	102.8	165.0
{98942, N/M2}	500	93.5	94.0	93.5	93.8	94.9	95.6	96.2	98.0	101.3	104.9	108.1	111.3	104.1	98.5	106.1	102.8	162.5
TAMB 73, DEG F	630	92.3	93.3	93.1	94.1	93.8	95.1	96.1	98.3	101.8	104.3	106.5	108.9	101.3	95.6	106.1	102.8	161.0
(296, DEG K)	800	90.3	92.9	93.1	94.9	95.5	94.8	95.5	97.7	99.9	102.8	104.5	106.5	99.4	92.2	106.1	102.8	159.4
THWT 58, DEG F	1000	89.2	91.5	92.2	94.0	95.0	95.0	94.7	97.9	99.7	101.4	102.6	104.2	96.6	90.8	106.1	102.8	158.1
(288, DEG K)	1250	88.4	90.9	91.4	93.2	94.6	94.8	95.9	97.7	99.8	101.1	100.3	101.6	94.3	88.9	106.1	102.8	157.2
HACT 0, GH/M3	1600	85.9	89.2	90.3	91.5	92.9	93.6	94.7	97.0	98.2	100.8	98.2	99.9	91.1	87.0	106.1	102.8	156.1
{, KG/M3}	2000	82.5	86.3	87.5	89.3	91.0	91.8	92.4	95.1	96.7	98.1	95.7	97.0	88.5	84.4	106.1	102.8	153.9
FREQ. SHIFT	2500	78.9	83.5	84.4	86.5	87.5	87.7	89.3	91.6	94.4	94.9	93.1	94.1	85.4	82.2	106.1	102.8	151.3
JET 9	3150	75.2	80.1	81.9	83.5	84.3	84.5	86.2	87.7	90.2	91.5	88.9	91.8	83.7	80.4	106.1	102.8	148.3
DIAMETER RATIO	4000	71.4	76.0	77.0	78.7	79.8	81.1	82.4	83.6	85.2	88.2	85.4	89.5	81.8	77.9	106.1	102.8	145.5
DF/DM 8.00	5000	70.7	73.2	74.4	75.7	76.5	75.6	76.3	78.4	81.6	85.6	82.1	87.2	81.9	78.4	106.1	102.8	143.0
OVERALL CALCULATED	6300	72.1	71.8	72.1	72.6	74.3	73.6	75.8	77.3	86.2	86.2	86.9	84.3	80.6	106.1	102.8	143.8	
PND8	8000	74.1	73.3	72.0	73.2	73.3	74.0	76.2	75.8	74.5	88.2	83.7	87.7	86.6	82.9	106.1	102.8	147.1
	10000	75.7	73.8	73.3	74.1	77.3	76.2	77.8	78.2	74.1	91.1	85.7	89.4	88.2	85.4	106.1	102.8	151.9
		106.5	106.4	106.0	106.3	106.8	107.2	108.5	110.7	113.2	117.0	122.2	126.2	124.4	121.2	106.1	102.8	177.4
		111.8	112.8	113.0	113.9	114.9	115.4	116.5	118.7	120.7	123.9	126.6	130.3	126.5	122.5	106.1	102.8	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD REV. ALPHA 12/73		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		0, 0, 0,		
		FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.						
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)						
NO EGA		50	65.8	66.6	70.8	70.5	72.2	73.2	75.7	77.8	79.8	83.6	85.0	88.4	88.6	82.8						
SIDELINE 2400, FT.		63	69.1	71.4	72.5	71.5	73.0	74.5	76.5	78.9	79.9	82.0	86.1	93.0	92.6	84.1						
(731.52 M)		80	71.3	73.5	74.1	74.2	74.9	75.1	77.1	79.2	81.6	84.7	90.8	95.1	92.4	85.5						
NFA 0, RPM		100	71.8	74.3	74.7	75.7	75.9	76.6	78.4	81.2	82.9	86.4	91.5	93.9	91.5	87.4						
(0, RAD/SEC)		125	73.2	72.4	74.7	75.2	76.3	77.4	79.3	81.1	83.2	87.7	92.9	93.5	90.3	84.7						
NFK 0, RPM		160	72.4	74.1	75.4	76.0	77.2	78.1	79.9	81.6	83.4	87.6	94.1	96.1	90.1	82.8						
(0, RAD/SEC)		200	70.7	73.6	74.5	75.8	77.4	78.3	80.4	82.0	83.4	87.8	93.2	94.1	89.1	80.2						
NFD 0, RPM		250	72.0	72.8	73.4	76.5	77.6	78.7	79.5	81.7	83.9	87.0	91.6	94.4	88.7	78.8						
(0, RAD/SEC)		315	70.5	73.7	74.2	74.1	75.5	77.1	78.8	80.8	83.5	86.5	89.4	93.1	85.6	75.9						
AIRFLOW RATIO		400	69.0	72.4	73.6	75.1	76.0	76.0	77.6	80.0	82.5	86.0	88.5	91.3	83.2	72.2						
WF/HM 8.00		500	66.7	70.2	71.7	73.3	75.3	76.4	77.1	78.8	81.7	84.4	86.2	87.5	77.3	66.9						
		630	64.6	68.8	70.8	73.1	73.7	75.5	76.7	78.7	81.8	83.3	84.1	84.4	73.7	62.7						
		800	61.6	67.6	70.0	73.3	74.8	74.7	75.5	77.6	79.2	81.1	81.3	81.2	70.7	57.5						
VEHICLE JENOTS		1000	59.1	65.1	68.3	71.6	73.6	74.3	74.1	77.1	78.4	79.0	78.7	77.8	66.5	54.2						
CONFIG JE-060		1250	56.6	63.2	66.4	69.9	72.5	73.2	74.6	76.1	77.6	77.8	75.3	74.0	62.5	49.7						
LOC EVENDALE		1600	51.7	59.7	63.7	66.9	69.5	70.9	72.2	74.3	74.8	76.2	71.7	70.4	56.9	44.2						
DATE 05-08-75		2000	45.4	54.6	59.2	63.1	66.2	67.7	68.6	71.1	71.8	71.9	67.4	65.3	51.4	37.2						
RUN DBTF-MODEL 4		2500	37.6	48.6	53.4	58.0	60.6	61.6	63.5	65.5	67.5	66.5	62.1	59.2	44.1	28.8						
TARE X40600		3150	27.1	40.1	46.7	51.3	54.0	55.3	57.3	58.4	59.9	59.3	53.7	51.8	35.6	16.9						
FAN TIP SPEED		4000	13.3	28.3	35.5	41.0	44.5	47.1	48.8	49.6	49.9	50.5	43.8	41.7	23.6							
FT/SEC		5000	6.7	21.0	29.2	34.8	38.3	38.8	42.0	42.7	43.3	44.7	36.8	35.0	17.9							
		6300		6.5	16.0	22.3	27.8	28.7	31.6	30.9	30.5	35.9	26.2	21.6	5.1							
		8000				8.5	15.3	16.7	19.7	18.5	14.6	23.4	11.1	2.3								
		10000							4.2	3.5												
OVERALL CALCULATED			81.3	83.5	84.8	86.0	87.3	88.2	89.7	91.8	93.8	97.0	101.4	103.9	100.0	93.2						
PNDB			83.0	86.6	88.5	90.5	92.0	92.9	94.4	96.4	98.4	101.1	103.8	105.7	99.4	91.5						

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																REL											
REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.	210.	220.	230.	240.	250.	260.	270.	280.	290.	300.
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.32)	(3.49)	(3.67)	(3.85)	(4.02)	(4.19)	(4.36)	(4.54)	(4.71)	(4.89)	(5.06)	(5.24)
NO EGA	20	88.4	86.7	93.1	89.2	91.9	91.0	93.3	95.6	96.3	100.8	102.0	107.8	112.0	108.1	107.8	161.3												
RCG, NO. 0.	63	89.8	89.8	91.3	89.8	91.2	91.6	94.7	96.2	97.7	99.9	103.2	108.4	109.6	107.8	107.8	160.7												
RADIAL 320. FT.	80	89.8	90.9	91.2	89.9	91.4	91.7	94.3	96.1	98.9	101.2	105.7	108.3	110.1	108.5	108.5	161.4												
(98. 4)	100	89.5	91.2	91.6	91.8	92.8	93.0	94.7	97.9	99.3	103.5	105.5	107.0	106.5	106.2	106.2	160.3												
VEHICLE JENOTS	125	91.3	90.1	92.3	91.4	92.5	93.7	96.2	97.1	99.9	104.1	105.7	106.9	105.4	102.4	102.4	160.1												
CONFIG JE#060	180	90.7	91.4	92.4	92.3	93.5	94.2	96.2	98.2	99.7	103.6	106.3	106.0	103.4	101.2	101.2	159.8												
LCC EVENDALE	200	90.5	92.0	91.9	92.5	93.3	94.7	96.8	98.5	99.8	103.0	105.1	104.5	103.1	100.8	100.8	159.1												
DATE 05-08-75	250	91.8	91.6	91.3	93.4	95.0	94.9	96.8	99.1	100.7	102.4	104.7	104.8	103.1	100.0	100.0	159.2												
RUN DBTF-MODEL 4	315	91.0	92.3	92.5	92.0	93.8	95.2	96.7	99.2	101.5	103.1	103.7	104.2	102.4	99.2	99.2	159.0												
TAPE 40700	400	90.6	92.4	93.0	93.5	94.4	95.9	97.0	99.6	101.8	102.9	103.7	104.1	102.8	99.6	99.6	159.2												
BAR 29.5 HG	500	89.4	91.5	92.0	93.1	95.2	95.8	97.9	100.2	102.6	102.4	102.8	102.8	101.3	98.8	98.8	158.9												
99448, N/42)	630	89.3	91.0	92.1	92.9	95.1	96.6	98.8	101.8	103.8	103.0	102.7	103.4	101.3	98.1	98.1	159.6												
TAMS 69, DEG F	800	88.8	91.4	92.8	94.4	96.2	98.3	99.7	103.5	103.6	102.3	101.9	102.0	100.2	96.2	96.2	159.7												
(294, DEG K)	1000	88.9	91.2	93.0	94.7	96.5	98.0	99.4	103.1	103.7	102.1	100.9	100.4	98.6	95.3	95.3	159.4												
THET 56, DEG F	1250	88.1	90.6	92.4	93.9	96.6	97.3	98.9	102.4	103.3	102.3	99.5	98.4	97.1	92.9	92.9	158.8												
(286, DEG K)	1600	86.1	88.9	91.5	93.0	95.4	95.9	98.9	101.3	101.4	100.5	97.7	96.6	94.6	90.7	90.7	157.7												
HACT 0, GN/M3	2000	84.4	88.0	90.2	91.3	94.0	95.2	97.4	99.4	99.4	98.0	95.4	93.7	91.5	87.8	87.8	155.9												
6, KG/M3	2500	81.9	85.9	88.1	89.9	91.7	92.6	95.0	96.5	97.4	94.9	92.3	90.1	86.6	84.9	84.9	153.7												
FREQ. SHIFT	3150	79.6	83.8	85.8	88.2	89.2	90.5	92.1	93.6	94.4	92.2	88.1	87.5	86.1	82.3	82.3	151.4												
JET 9	4000	76.6	79.9	82.7	84.7	85.5	87.8	89.1	90.5	90.2	88.9	85.0	84.2	83.0	79.1	79.1	148.8												
DIAMETER RATIO	5000	74.4	77.6	80.1	81.9	82.2	83.5	85.5	86.6	87.2	85.3	80.7	82.4	81.9	80.1	80.1	145.8												
DF/DM 8.00	6300	71.8	73.5	76.3	77.8	78.0	80.3	81.8	83.5	83.7	83.4	77.9	83.8	82.7	81.5	81.5	144.4												
OVERALL BAL. CAL.ATED	8000	68.8	70.0	72.2	74.1	74.2	76.9	79.9	81.2	81.0	83.9	76.4	86.9	85.3	84.1	84.1	143.9												
PNDP	10000	68.6	66.2	67.8	69.5	71.5	77.1	79.4	80.4	78.3	85.0	76.8	89.6	87.3	86.5	86.5	149.7												
		102.1	103.3	104.6	105.2	106.9	107.9	109.9	112.5	113.8	114.7	115.9	117.2	117.7	115.2	115.2	172.1												
		109.5	111.9	113.7	114.9	116.6	117.9	119.9	122.1	122.8	122.7	121.5	122.2	121.0	118.1	118.1													

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F; 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV, ALPHA 12273	FREQ	30	40	50	60	70	80	90	100	110	120	130	140	150	160	0	0	0
		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0)	(0)	(0)
NO EGA	50	64.6	65.1	73.0	70.2	72.7	73.2	75.7	77.8	78.1	81.9	82.0	86.2	88.1	80.8			
SIDELINE 2400 FT	80	65.8	69.2	71.1	70.9	73.2	73.9	76.6	78.2	80.6	82.2	85.6	86.6	86.1	81.0			
(731.52 M)	100	65.3	69.3	71.4	72.6	74.4	75.1	76.9	79.9	80.9	84.4	85.2	85.2	82.3	78.4			
NFA 0 RPM	125	67.0	68.2	71.9	72.2	74.1	75.7	78.3	79.1	81.4	84.9	85.4	84.9	81.0	74.4			
(0 RAD/SEC)	150	66.2	69.3	71.9	73.0	74.9	76.1	78.2	80.1	81.1	84.3	85.9	83.9	78.9	72.8			
NFK 0 RPM	200	65.7	69.6	71.3	73.0	74.6	76.5	78.7	80.2	81.1	83.5	84.5	82.1	78.3	71.2			
(0 RAD/SEC)	250	66.7	68.0	70.4	73.8	76.1	76.5	78.5	80.7	81.9	82.7	83.8	82.2	78.0	70.8			
NFD 0 RPM	315	65.5	69.4	71.4	72.1	74.8	76.6	78.2	80.6	82.5	83.2	82.6	81.3	76.8	69.4			
(0 RAD/SEC)	400	64.5	69.1	71.6	73.3	75.0	77.0	78.3	80.8	82.5	82.7	82.2	80.8	76.7	69.0			
AIRFLOW RATIO	500	62.7	67.7	70.2	72.6	75.5	76.7	78.9	81.1	82.9	81.9	81.0	79.0	74.6	67.1			
WF/WM 8.00	630	61.6	66.6	69.7	71.9	75.0	77.0	79.4	82.2	83.8	82.0	80.3	78.9	73.7	65.2			
	800	60.1	66.1	69.7	72.8	75.6	78.2	79.8	83.3	83.0	80.6	78.8	76.7	71.4	61.5			
VEHICLE JENOTS	1000	58.8	64.9	69.0	72.4	75.1	77.3	78.9	82.4	82.4	79.7	76.9	74.1	68.5	58.7			
CONFIG JE-080	1250	56.3	62.9	67.3	70.6	74.4	75.7	77.5	80.9	81.1	79.0	74.5	70.7	65.3	53.7			
LOC EVENDALE	1600	51.9	59.4	65.0	68.4	72.0	73.2	76.4	78.6	78.1	75.9	71.2	67.2	60.4	47.9			
DATE 05-08-75	2000	47.3	56.3	61.9	65.1	69.2	71.2	73.5	75.3	74.6	71.8	67.1	62.0	54.4	40.7			
RUN DBTF-MODEL 4	2500	40.6	51.0	57.1	61.4	64.8	66.6	69.2	70.5	70.5	66.4	61.3	55.2	47.3	31.5			
YARE 40700	3150	31.6	43.8	50.6	56.0	58.9	61.2	63.2	64.4	64.1	60.0	52.9	47.5	38.1	18.9			
FAN TIP SPEED	4000	18.5	32.2	41.2	47.0	50.2	53.8	55.5	56.5	54.9	51.2	43.5	36.4	24.8	0.5			
FT/SEC	5000	10.4	25.4	34.9	41.0	44.0	46.8	49.2	49.9	49.0	44.4	35.5	30.2	17.9				
	6300		8.2	20.2	27.5	31.2	35.4	37.5	38.6	36.9	33.1	21.9	18.6	1.5				
	8000				9.4	14.2	19.6	23.4	23.9	21.0	19.1	3.8	1.5					
	10000						2.4	5.8	5.6		0.2							
OVERALL BAL CALCULATED		76.4	79.8	82.8	84.2	86.7	88.2	90.3	92.7	93.7	94.4	94.9	94.9	93.2	87.2			
PNDP		78.8	83.8	87.3	89.9	93.0	94.5	97.1	99.3	99.6	98.9	97.9	96.4	92.3	84.8			

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD REV. ALPHA. 12773	FREQ.	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	0'	0'	0'
NO BGA	50	56.1	58.1	64.3	62.7	64.4	65.4	66.7	69.3	70.1	71.9	71.0	74.7	75.6	67.3			
SIDELINE 2400' FT.	63	55.6	58.7	63.0	62.8	64.2	66.0	69.0	69.6	69.9	70.7	71.6	74.7	72.1	66.4			
(731.92 M)	80	56.5	60.7	63.1	62.9	65.2	65.6	68.6	70.0	71.1	71.4	74.3	75.1	73.1	67.0			
NPA 0' RPM	100	57.3	61.1	62.8	64.9	66.1	67.6	69.1	71.4	71.7	74.2	74.2	74.2	70.0	67.9			
(0' RAD/SEC)	125	59.2	60.7	64.7	65.0	66.3	68.7	69.8	71.1	72.7	75.4	74.9	74.5	69.8	64.2			
NFK 0' RPM	140	58.2	61.3	64.1	65.7	67.2	69.1	70.4	71.3	72.9	74.3	76.1	73.6	68.4	62.1			
(0' RAD/SEC)	200	57.2	61.9	64.0	65.8	67.9	69.0	70.9	72.5	72.9	75.3	74.0	72.6	67.8	61.0			
NFD 0' RPM	250	59.2	62.0	63.5	67.0	68.9	70.0	71.0	73.2	74.6	75.5	74.3	72.4	67.5	60.8			
(0' RAD/SEC)	315	58.5	63.4	65.4	65.9	68.1	70.3	71.3	74.1	75.7	76.7	73.9	71.8	66.6	60.1			
AIRFLOW RATIO	400	57.7	64.1	65.6	67.6	69.3	71.0	72.9	75.1	76.3	77.7	73.8	71.8	67.0	60.0			
WPM 8.00	500	56.7	63.2	64.9	67.6	69.8	72.2	73.7	76.1	76.6	77.2	73.0	71.5	65.8	58.6			
VEHICLE JENOTS	630	56.4	62.9	65.5	67.7	70.0	72.6	75.2	77.8	79.0	77.3	73.1	70.5	65.4	57.7			
CONF. JE-063	800	55.4	62.6	66.3	68.9	71.3	73.7	74.8	77.9	78.0	77.4	71.8	69.5	64.2	55.8			
LOC EVENDALE	1000	54.2	62.2	65.8	68.7	71.2	74.1	74.7	78.2	77.2	76.3	70.7	67.4	62.0	53.5			
DATE 03-09-75	1250	53.7	63.0	66.2	69.0	70.5	72.3	73.4	76.7	76.4	74.9	69.1	64.8	60.4	51.3			
RUN DIST=MODEL 4	1600	51.0	61.8	66.1	68.2	69.3	70.0	71.5	74.4	73.7	72.3	66.5	62.0	58.0	48.0			
TAPE X40740	2000	46.2	57.9	63.3	65.7	67.0	67.3	68.9	71.7	70.4	68.2	62.7	58.4	52.5	40.3			
FAN TYPE SPEED	2500	39.6	51.4	57.0	60.1	61.4	62.5	64.1	66.7	65.6	63.1	57.2	51.1	44.5	29.6			
FT/SEC	3150	30.9	44.7	51.0	54.2	55.6	56.7	59.4	60.6	59.5	56.4	49.3	43.4	35.5	17.0			
	4000	16.4	32.9	41.3	45.9	47.3	50.2	51.7	53.0	51.1	48.1	40.2	32.7	22.7				
	5000	8.3	23.6	34.8	40.4	41.9	43.9	45.8	47.0	44.9	41.1	32.7	25.4	14.0				
	6300		9.4	20.1	26.6	29.3	32.0	34.1	36.7	33.3	29.7	20.7	12.7					
	8000				18.8	12.1	15.7	18.3	23.25	18.6	15.5	4.2						
OVERALL CALCULATED	10000	68.9	74.1	77.1	79.0	80.9	82.6	84.3	86.5	87.2	87.5	85.3	84.5	81.3	75.0			
PND8		72.4	80.7	84.2	87.0	88.6	90.0	91.6	93.2	94.1	93.3	89.5	87.5	82.3	74.5			

SPL INPUT AT STD	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	0.0'	0.0'	0.0'	PHL
REV. ALPHA 12/73 FREQ.	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.1)	(0.1)	(0.1)	
NO EGA	50	75.9	74.0	77.8	77.2	78.9	78.7	80.1	82.6	83.6	84.3	85.5	91.5	93.7	90.6			144.8
RQD. NO. 0	63	75.3	76.6	78.6	77.8	79.2	79.6	81.7	82.7	84.2	84.9	86.2	91.1	90.8	89.3			144.0
RADIAL 320 FT.	80	76.3	78.7	80.2	79.0	80.0	80.0	82.1	84.1	85.7	86.2	88.7	92.1	91.4	91.3			145.2
(98. M)	100	77.0	79.4	79.9	80.3	81.0	81.0	81.9	83.4	85.8	86.3	89.7	91.0	89.2	92.2			145.4
VEHICLE JENOTS	125	79.6	79.1	80.8	80.4	81.3	82.4	83.9	85.8	87.1	90.6	90.7	91.4	89.6	88.4			146.1
CONFIG JE=063	160	78.5	79.7	80.6	81.5	82.2	83.4	84.9	86.2	87.7	89.9	91.8	91.0	89.7	86.9			146.3
LOC. EVENDALE	200	78.6	81.2	81.2	81.7	83.1	83.1	85.6	86.3	88.1	89.7	91.6	91.2	88.4	86.5			146.4
DATE 05-02-75	250	80.6	80.8	81.3	81.5	84.1	86.7	87.5	88.1	89.7	91.6	91.2	90.8	88.4	86.5			147.2
RUN DBTF MODEL 4	315	80.8	83.1	84.3	83.5	84.1	86.7	87.5	90.2	91.8	93.1	91.5	90.7	88.4	86.0			148.3
TAPE X40720	400	81.6	84.7	85.1	85.2	86.1	87.1	88.6	90.7	92.6	94.4	92.4	91.4	89.6	87.4			149.3
BAR 29.5 HG	500	81.0	85.2	85.3	86.4	87.3	88.6	90.2	92.8	94.6	95.9	95.8	91.2	89.1	87.4			150.4
(99448, N/M2)	630	81.0	84.8	85.7	86.6	87.3	88.6	92.1	94.6	95.9	95.8	92.5	91.2	89.1	87.4			151.4
TAMB 74 DEG F	800	81.1	85.2	86.4	88.0	88.8	90.6	91.8	94.5	96.2	95.5	92.2	90.3	88.5	87.0			151.5
(296, DEG K)	1000	80.5	85.3	87.0	88.0	89.0	90.6	91.0	93.9	95.5	95.4	91.7	89.2	87.9	85.6			151.2
THEY 58 DEG F	1250	82.2	87.7	89.2	89.7	89.4	89.9	90.7	93.8	95.1	94.9	90.4	88.5	87.4	86.8			151.1
(288, DEG K)	1600	82.0	88.3	89.6	89.1	88.7	88.5	90.0	93.4	93.6	93.6	89.3	88.0	87.5	87.6			150.5
HAC 0.1 GM/M3	2000	82.1	88.1	89.4	89.2	88.6	87.6	88.5	91.7	92.3	91.4	87.6	87.6	88.6	87.2			149.6
(, KG/M3)	2500	80.3	86.8	87.0	87.1	85.8	84.5	86.2	88.9	90.1	88.6	85.5	85.0	86.5	85.1			147.5
FREQ. SHIFT	3150	77.9	84.0	84.3	84.4	82.1	81.9	83.3	86.0	87.3	85.6	81.8	81.0	82.5	81.3			144.9
JET	4000	73.0	79.8	80.4	80.3	78.4	79.4	80.5	82.5	82.6	82.6	78.7	77.6	78.6	76.8			142.0
DIAMETER RATIO	5000	70.1	76.3	77.5	77.6	76.4	75.4	77.1	79.3	79.7	78.5	74.7	73.8	74.8	73.8			139.1
DP/DH 8.00	6300	66.4	72.6	74.1	74.2	72.6	72.4	74.2	75.9	75.4	76.0	71.0	72.0	71.8	69.7			137.0
OVERALL CALCULATED	8000	63.4	69.6	70.6	71.3	70.3	69.8	72.1	73.4	71.8	78.0	69.3	71.5	71.2	69.0			136.9
PNDB	10000	61.7	68.0	68.6	69.6	70.4	70.5	72.5	72.5	68.9	77.4	69.9	72.9	72.2	69.9			139.6
		105.8	109.1	109.7	110.0	109.7	109.7	110.9	113.6	114.5	114.6	111.0	111.2	111.2	109.7			161.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
REV. ALPHA 12/73		FREQ	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	0'	0'
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.0)	(0.0)
NO EGA		50	52.1	52.4	57.8	58.2	60.7	60.9	62.4	64.8	65.3	67.4	65.3	69.9	69.9	63.3		
SIDELINE 2400 FT		63	51.4	54.9	58.5	58.8	61.0	61.8	64.0	64.9	65.9	66.0	66.1	69.5	66.9	61.9		
(73.52 M)		80	52.3	57.0	60.1	59.9	61.7	62.1	64.4	66.2	67.4	67.2	68.6	70.3	67.4	63.7		
NFA		100	52.8	57.6	59.7	61.4	62.6	63.1	64.1	67.4	67.4	69.2	69.5	69.2	65.0	64.4		
{ 0. RPM		125	55.2	57.2	60.4	61.2	62.8	64.4	66.0	67.8	68.7	71.4	70.4	69.5	65.3	60.4		
{ 0. RAD/SEC		180	53.9	57.6	60.1	62.2	63.7	65.3	66.9	68.1	69.1	70.6	71.4	68.9	65.1	58.6		
NFK		200	53.7	58.9	60.5	62.3	64.4	65.8	67.2	69.3	69.6	71.3	70.5	67.6	63.8	57.7		
{ 0. RPM		250	55.5	58.3	60.5	64.3	65.6	67.2	68.0	69.7	70.9	72.0	70.3	68.2	63.2	57.3		
NFD		315	55.3	60.2	63.2	63.6	65.1	66.1	69.0	71.6	72.7	73.2	70.4	67.8	62.9	56.1		
{ 0. RAD/SEC		400	55.5	61.4	63.6	65.1	66.8	68.3	69.9	71.8	73.3	74.2	71.0	68.1	63.5	56.7		
AIRELOW RATIO		500	54.2	61.4	63.4	65.8	66.5	69.2	71.2	73.6	74.9	74.9	70.0	67.0	63.5	55.6		
WF/WH 8.00		630	53.4	60.4	63.3	65.7	67.3	70.1	72.7	75.0	75.5	74.8	70.1	66.7	61.4	54.4		
		800	52.4	59.9	63.3	66.4	68.1	70.5	71.8	74.4	75.5	73.9	68.1	65.0	59.7	52.3		
VEHICLE - JENOTS		1000	50.4	58.9	63.1	65.7	67.7	69.8	70.4	73.2	74.2	73.0	67.7	62.9	57.8	49.0		
CONFIG JF-063		1250	50.4	60.0	64.2	66.5	67.3	68.3	69.4	72.2	72.9	71.6	65.4	60.8	55.6	47.6		
LOC EVENDALE		1600	47.7	58.8	63.1	64.5	65.3	65.8	67.5	70.7	70.2	69.0	62.8	58.5	53.2	44.8		
DATE 05-02-75		2000	45.0	56.4	61.0	63.0	63.8	63.6	64.7	67.7	67.4	65.2	59.2	55.9	51.5	40.1		
RUN DBTF-MODEL 4		2500	39.0	51.9	56.0	58.0	58.9	58.5	60.4	62.9	63.1	60.1	54.5	50.1	45.2	31.6		
TAPB X40720		3150	29.9	44.0	49.0	52.2	51.9	52.7	54.4	56.8	57.0	53.4	48.6	40.9	34.3	17.8		
FAN TYPE SPEED		4000	14.9	32.1	38.8	42.6	43.1	45.5	46.9	48.5	47.3	44.9	37.2	29.9	26.5			
FT/SEC		5000	6.1	24.1	32.3	36.7	38.2	38.7	40.8	42.5	41.4	37.6	29.4	21.6	19.6			
		6300		7.4	18.1	23.9	25.8	27.5	29.9	31.0	28.6	25.7	15.0	6.7				
		8000				6.5	10.4	12.5	15.5	16.0	11.9	11.2						
OVERALL CALCULATED		10000	65.4	71.2	74.3	76.3	77.7	79.5	80.9	83.3	84.2	84.1	81.3	79.5	76.5	71.3		
PNDB			69.5	78.0	81.9	84.0	85.1	86.1	87.7	90.4	90.6	89.9	86.0	83.1	78.4	71.0		

MODEL 5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)																0. 0. 0. PHI			
SPL INPUT AT STD		30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.			
REV. ALPHA 12/73 FREQ.		(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)			
NO EGA		50	76.4	73.7	75.8	77.2	78.9	78.2	79.8	81.3	82.6	83.6	84.8	86.0	87.7	89.4	91.7	90.4	142.8		
RDG. NO. 0.		63	74.3	75.8	77.3	76.3	77.2	78.1	79.7	80.7	82.4	83.4	84.2	85.6	87.3	89.3	91.3	91.3	143.5		
RADIAL 320. FT.		80	76.3	77.4	78.9	77.7	78.9	78.7	81.1	81.9	82.9	82.7	83.9	88.3	89.9	92.8			143.2		
(98. M)		100	77.2	78.4	78.4	79.0	79.0	78.5	79.9	82.1	83.5	85.5	87.0	88.5	89.7	91.2			143.5		
VEHICLE JENOTS		125	78.3	77.4	79.0	78.6	79.5	80.4	81.9	82.6	83.6	84.8	85.5	87.9	88.6	86.2			142.7		
CONFIG JEM:57		160	77.7	77.4	78.6	78.8	79.0	79.9	82.4	82.4	83.4	84.9	86.1	88.0	87.2	83.4			142.4		
LCC EVENDALE		200	77.5	78.5	78.7	79.0	79.3	80.0	81.3	81.7	82.8	83.7	84.8	86.4	84.4	81.2			141.4		
DATE J4-3C-75		250	78.6	77.6	77.8	80.1	80.2	80.8	80.5	81.6	82.7	83.4	84.7	85.7	82.3	80.3			141.1		
RUN DBTF-MODEL 5		315	78.0	78.3	79.2	78.7	79.3	80.1	81.2	81.4	82.8	83.0	83.7	84.2	80.6	77.7			140.5		
TAPE X50010		400	76.3	78.6	78.7	79.7	79.3	79.0	80.2	81.3	83.0	84.1	83.9	83.1	80.3	77.6			140.5		
BAR 29.3 HG		500	74.8	78.4	79.2	79.7	79.3	79.5	80.5	81.6	83.2	85.1	85.0	82.7	79.5	77.2			140.9		
(98807. N/42)		630	75.9	79.7	79.8	80.2	80.2	80.0	81.2	82.2	84.0	86.1	87.9	84.8	79.9	78.7			142.3		
TAMB 65. DEG F		800	75.4	79.9	80.1	81.0	81.8	82.3	82.3	84.3	85.4	86.3	86.7	84.1	80.7	79.2			142.9		
(291. DEG K)		1000	75.4	79.9	80.7	81.4	81.9	82.7	82.9	84.8	86.9	88.5	86.8	83.1	80.5	79.3			143.8		
TNET 60. DEG F		1250	75.2	80.6	81.6	81.9	82.1	82.5	82.6	84.7	86.8	89.1	88.5	82.4	81.1	79.2			144.3		
(289. DEG K)		1600	73.5	80.3	81.1	80.8	81.5	81.7	82.8	84.4	86.1	86.9	88.1	81.5	79.5	77.9			143.6		
HACT 0. GM/M3		2000	71.2	78.0	78.7	78.0	79.4	79.7	81.6	82.6	83.4	85.3	84.4	79.2	77.5	75.3			141.5		
(KG/M3)		2500	66.8	73.6	74.3	74.6	75.1	75.5	77.6	78.9	81.0	82.0	80.9	75.8	74.0	71.8			138.3		
FREQ. SHIFT		3150	63.0	69.7	70.7	70.8	71.0	72.6	74.2	75.5	77.0	78.5	76.2	71.9	70.7	68.2			135.0		
JET 9		4000	57.7	64.3	65.3	66.0	65.6	67.9	69.7	71.4	72.6	74.0	72.4	67.8	66.8	63.7			131.3		
DIAMETER RATIO		5000	54.4	59.9	60.6	61.2	61.2	62.0	64.2	65.4	67.2	70.3	66.7	63.9	63.6	61.6			126.9		
DF/DM 8.00		6300	54.2	55.9	55.2	56.5	56.6	57.4	59.2	60.4	60.9	69.5	63.0	63.8	63.9	62.5			125.5		
OVERALL CALCULATED		8000	55.7	55.4	53.5	55.7	57.3	56.3	57.3	58.3	56.5	71.7	64.0	66.2	66.4	64.7			128.7		
PNDB		10000	58.0	55.3	54.4	56.4	58.9	58.2	59.3	60.0	55.9	74.7	66.2	69.2	68.7	67.4			133.9		
			88.7	90.9	91.7	92.0	92.4	92.8	93.8	95.1	96.6	98.0	98.3	98.5	98.7	98.9			155.1		
			95.6	100.0	100.8	100.9	101.4	101.8	103.3	104.5	105.9	107.7	107.5	104.4	102.9	101.8					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD

REV. ALPHA 12/73

FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.
	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)
NO EGA	50	52.6	52.1	55.8	58.2	60.7	60.4	62.2	63.5	64.3	64.6	64.7	66.4	67.9	63.1		
SIDELINE 2400 FT.	63	50.4	54.2	57.2	57.3	59.0	60.3	62.0	62.9	64.2	64.5	64.1	69.0	67.4	63.9		
(731.52 M)	80	52.3	55.7	58.8	58.7	60.7	60.9	63.4	64.0	64.6	63.7	63.8	66.6	65.9	65.2		
NFA	100	53.0	56.6	58.2	59.9	60.6	60.6	62.1	64.2	65.2	66.4	66.7	66.7	65.5	63.4		
G. RPM	125	54.0	55.4	58.7	59.5	61.1	62.4	64.0	64.6	65.2	65.6	65.1	65.9	64.3	58.1		
(0. RAD/SEC)	160	53.2	55.3	58.1	59.5	60.4	61.8	64.4	64.3	64.9	65.6	65.6	65.9	62.6	55.1		
NFK	200	52.7	56.1	58.0	59.5	60.6	61.7	63.2	63.5	64.1	64.3	64.2	64.1	59.5	52.5		
(0. RAD/SEC)	250	53.4	55.0	56.9	60.5	61.4	62.5	62.3	63.2	63.9	63.7	63.8	63.2	57.2	51.0		
NFD	315	52.5	55.4	58.1	58.8	60.3	61.5	61.7	62.8	63.7	63.2	62.6	61.3	55.1	47.8		
(0. RAD/SEC)	400	50.1	55.3	57.3	59.5	60.0	60.2	61.5	62.5	63.7	63.9	62.4	59.8	54.2	46.9		
AIRFLOW RATIO	500	48.1	54.6	57.3	59.2	59.7	60.3	61.5	62.5	63.6	64.6	61.1	58.9	52.7	45.5		
WF/WM 8.00	630	48.3	55.2	57.4	59.2	60.1	60.4	61.8	62.6	63.9	65.1	65.5	60.3	52.3	45.8		
	800	46.6	54.6	57.0	59.4	61.1	62.2	62.3	64.1	64.8	64.7	63.6	58.7	52.0	44.6		
VEHICLE JENOTS	1000	45.2	53.5	56.7	59.0	60.6	62.0	62.3	64.1	65.6	66.2	62.8	56.7	50.4	42.6		
CONFIG JE*057	1250	43.4	53.0	56.6	58.6	60.0	61.0	61.3	63.1	64.6	65.8	63.5	54.7	49.3	40.0		
LOC EVENDALE	1600	39.3	50.8	54.6	56.2	58.1	59.0	60.3	61.7	62.7	62.3	61.5	52.0	45.3	35.1		
DATE 04-30-75	2000	34.0	46.3	50.4	51.8	54.6	55.7	57.8	58.5	58.5	59.1	56.1	47.5	40.3	28.2		
RUN DBTF-MODEL 5	2500	25.4	38.7	43.3	46.1	48.2	49.5	51.9	52.9	54.1	53.5	50.0	40.5	32.7	18.4		
TAPE X50010	3150	14.9	29.7	35.5	38.6	40.8	43.3	45.3	46.2	46.7	46.3	41.0	31.8	22.7	4.7		
FAW TIP SPEED	4000		16.6	23.8	28.3	30.3	33.9	36.2	37.4	37.3	36.3	30.9	20.1	8.7			
FT/SEC	5000		7.7	15.4	20.3	23.0	25.3	27.9	28.6	29.0	29.4	21.5	11.7				
	6300				6.2	9.8	12.5	14.9	15.5	14.1	19.2	7.0					
	8000							0.7	1.0		6.9						
OVERALL CALCULATED	10050	63.1	66.9	69.5	71.2	72.5	73.3	74.6	75.6	76.5	76.9	76.1	76.0	74.2	70.6		
PND8	830	64.4	71.0	74.4	76.3	77.9	79.0	80.3	81.5	82.5	82.6	81.2	76.6	71.7	65.7		

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 47 DAY 0 HR: 06																		
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY + JENOTS)		ANGLES FROM INLET IN DEGREES (AND RADIAN)																		
SPL INPUT AT STD	REV. ALPHA 12/73	FREQ.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PWL'
			(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(0.)	(0.)	(0.)	
NO EGA		50	77.9	75.7	77.3	78.9	80.4	80.0	81.6	82.8	85.1	86.1	85.0	91.5	94.7	92.9				145.6
RDG. NO. 0.		63	77.1	78.3	79.6	78.8	79.7	80.6	82.7	83.5	85.9	86.4	88.2	93.9	94.6	93.1				146.5
RADIAL 320. FT.		80	78.3	79.7	80.7	79.4	80.9	80.7	83.3	84.4	85.9	85.7	87.4	91.8	92.6	93.8				145.7
(98. M)		100	79.2	80.2	80.6	81.3	81.5	81.3	82.7	84.9	86.3	89.0	91.2	92.0	92.0	92.5				146.2
VEHICLE JENOTS		125	79.6	79.1	81.0	81.1	82.0	82.7	84.4	85.1	86.4	87.6	88.7	90.7	90.6	86.9				145.1
CONFIG JE#057		160	80.2	79.7	80.6	81.0	81.5	81.9	84.9	84.7	86.2	87.9	89.3	91.2	88.7	84.4				145.1
LCC EVENDALE		200	79.5	81.0	82.2	81.7	82.3	83.5	84.0	85.2	86.1	87.5	88.3	88.9	86.6	83.0				144.4
DATE 4-30-75		250	81.6	81.6	82.3	83.9	84.0	84.3	84.3	85.1	86.2	87.1	87.9	88.7	85.6	82.5				144.6
RUN DBTF-MODEL 5		313	80.3	82.0	83.5	82.7	83.3	83.9	84.2	85.4	87.0	88.3	88.0	87.2	83.4	80.2				144.5
TAPE X50030		400	80.0	82.9	84.5	84.4	84.5	84.3	85.0	86.1	87.8	90.3	88.1	86.1	83.8	81.1				145.4
BAR 29.3 HG		500	79.1	83.4	84.2	85.5	85.3	85.2	85.8	87.6	90.0	91.8	88.7	86.2	83.2	80.7				146.5
(98807. N/42)		630	80.1	84.7	86.0	87.0	86.2	86.5	87.4	88.9	92.5	95.4	91.1	88.0	84.4	82.7				148.9
TAMB 65. DEG F		800	81.9	87.2	89.4	90.7	89.0	89.3	90.0	91.0	93.4	96.8	93.2	89.8	87.0	85.7				150.9
(291. DEG K)		1000	81.6	86.2	87.4	88.4	89.1	90.2	91.4	93.3	95.4	97.0	94.5	90.4	87.0	85.8				151.8
THET 60. DEG F		1250	81.7	87.1	88.4	89.2	89.6	90.5	91.6	94.2	97.0	98.6	95.3	90.4	87.6	85.7				153.0
(289. DEG K)		1600	81.2	87.3	88.9	89.3	90.0	91.0	92.8	93.9	96.6	98.4	95.6	89.8	87.7	84.9				153.1
HACT 0. GM/M3		2000	79.7	86.7	87.5	87.5	88.7	89.5	91.6	93.8	95.9	96.5	93.9	89.0	86.5	84.6				152.1
(. KG/M3)		2500	78.3	86.1	86.3	86.3	86.3	87.0	89.1	90.9	93.0	94.0	91.2	86.9	84.7	83.0				149.9
FREQ. SHIFT		3150	74.7	83.4	84.9	84.5	83.3	84.1	85.4	87.5	89.7	90.8	86.7	83.4	82.7	80.4				147.2
JET 9		4000	69.2	78.3	79.8	78.1	79.9	80.0	83.4	85.1	86.0	86.0	82.9	78.3	77.3	75.0				143.4
DIAMETER RATIO		5000	65.2	73.4	74.9	74.7	74.0	74.8	77.0	78.6	80.2	81.3	76.7	72.7	71.9	69.4				138.9
DF/DH 8.00		6300	60.2	66.9	69.4	69.7	68.9	70.2	72.2	73.6	74.9	77.3	74.8	69.0	67.6	65.5				135.3
OVERALL CALCULATED		8000	58.4	61.6	65.5	66.0	67.3	67.5	68.5	70.1	70.3	74.4	67.2	67.9	67.6	65.7				134.0
PND8		10000	58.7	57.6	64.6	64.9	68.4	68.2	69.3	70.0	66.9	76.2	66.5	69.5	69.0	67.7				137.2
			92.7	96.8	98.1	98.6	98.7	99.4	100.8	102.4	104.7	106.4	104.0	102.7	102.1	100.7				161.8
			102.3	108.2	109.2	109.4	109.6	110.3	112.0	113.8	115.8	117.1	114.5	111.4	109.5	107.6				

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (52.1 DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD
REV. ALPHA 12/73 FREQ. (0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)

30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0.

NO EGA 50 54.1 54.1 57.3 60.0 62.2 62.2 63.9 65.0 66.8 67.1 65.0 69.9 70.9 65.6

SIDELINE 2400. FT. 63 53.1 56.7 59.5 59.8 61.5 62.8 63.0 65.6 66.5 67.7 67.5 68.1 72.2 70.6 65.6

(731.52 M) 80 54.3 58.0 60.6 60.4 62.7 62.9 65.6 66.5 67.6 66.7 67.3 70.1 68.6 66.2

NFA 0. RPM 100 55.0 58.3 60.4 62.1 63.1 63.3 64.9 66.9 67.9 69.9 70.0 70.2 67.8 64.7

(0. RAD/SEC) 125 55.2 57.2 60.7 62.0 63.6 64.7 66.5 67.1 67.9 68.4 68.4 68.7 66.3 58.9

NFK 0. RPM 160 55.7 57.5 60.1 61.7 62.9 63.8 66.9 66.5 67.6 68.6 68.9 69.1 64.1 56.1

(0. RAD/SEC) 200 56.4 59.0 61.4 64.3 65.1 66.0 66.7 67.4 67.5 67.1 66.2 60.5 53.3

NFD 0. RPM 250 54.7 59.1 62.4 62.8 64.3 65.3 65.7 66.8 67.9 68.4 66.9 64.3 57.8 50.3

(0. RAD/SEC) 315 53.9 59.5 63.0 64.2 65.2 65.4 66.3 67.2 68.4 70.1 66.7 62.8 57.7 50.4

AIRFLOW RATIO 400 52.3 59.6 62.3 65.0 65.7 66.1 66.8 68.5 70.3 71.3 66.9 62.4 56.5 49.0

WF/WM 8.00 630 52.5 60.2 63.6 66.0 66.1 66.9 68.0 69.3 72.4 74.4 68.7 63.6 56.8 49.8

800 53.1 61.9 66.3 69.1 68.4 69.2 70.1 70.9 72.8 75.2 70.1 64.5 58.2 51.1

VEHICLE JENOTS 1000 51.5 59.8 63.5 66.0 67.8 69.5 70.8 72.6 74.1 74.7 70.6 64.0 56.9 49.1

CONFIG JE*257 1250 49.9 59.5 63.4 65.9 67.5 69.0 70.3 72.6 74.9 75.3 70.3 62.7 55.8 46.5

LOC EVENDALE 1600 47.0 57.8 62.3 64.7 66.6 68.3 70.3 71.2 73.2 73.8 69.0 60.3 53.5 42.1

DATE 04-30-75 2000 42.5 55.0 59.1 61.3 63.9 65.4 67.8 69.8 71.0 73.0 65.6 57.3 49.3 37.4

RUN DBTF-MODEL 5 2500 36.9 51.2 55.3 57.8 59.4 61.0 63.4 64.9 66.1 65.5 60.2 52.0 43.4 29.6

TAPE X50030 3150 26.7 43.4 49.7 52.4 53.0 54.8 56.6 58.2 59.4 58.6 51.5 43.3 34.7 16.9

FAN TIP SPEED 4000 11.1 30.6 38.3 42.1 42.8 45.9 48.4 49.4 49.8 48.3 41.4 30.6 19.2

FT/SEC 5000 1.2 21.2 29.6 33.8 35.8 38.0 40.7 41.9 42.0 40.4 31.5 20.5 7.9

6300 1.6 13.4 19.4 22.1 25.3 27.9 28.7 28.1 27.0 15.8 3.7

8000 1.2 7.3 10.2 12.0 12.7 10.3 9.7

OVERALL CALCULATED 10000 65.9 71.1 74.5 76.5 77.6 78.6 80.0 81.3 83.0 83.9 80.7 79.5 77.0 72.2

PNDB 68.8 77.4 81.6 83.9 85.4 86.8 88.5 89.9 91.4 91.9 87.8 82.3 76.1 68.7

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. PWL | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|--------------|-------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| NO EGA | | 50 | 80.9 | 78.5 | 80.3 | 81.7 | 83.4 | 83.2 | 84.8 | 86.3 | 87.8 | 90.3 | 89.0 | 95.0 | 98.7 | 95.6 | | | 149.1 | |
| RCG. NO. J. | | 63 | 81.3 | 81.3 | 82.8 | 82.3 | 83.5 | 84.6 | 86.5 | 87.2 | 90.2 | 90.2 | 92.2 | 97.6 | 98.8 | 95.1 | | | 150.2 | |
| RADIAL 320. FT. | | 80 | 81.3 | 82.9 | 84.2 | 82.9 | 84.2 | 84.2 | 86.8 | 88.4 | 89.7 | 89.9 | 92.4 | 96.3 | 97.1 | 96.3 | | | 149.7 | |
| (98. 4) | | 100 | 82.2 | 82.9 | 84.1 | 84.5 | 85.5 | 84.8 | 86.7 | 89.1 | 90.8 | 93.3 | 94.7 | 96.3 | 95.2 | 94.0 | | | 150.1 | |
| VEHICLE JENOTS | | 125 | 83.1 | 82.6 | 84.3 | 84.4 | 85.3 | 86.2 | 87.9 | 88.6 | 90.6 | 92.1 | 93.7 | 94.9 | 93.3 | 89.7 | | | 149.1 | |
| CCNFIG JE 157 | | 160 | 82.5 | 83.2 | 84.1 | 84.5 | 85.2 | 86.2 | 88.9 | 88.7 | 90.4 | 92.6 | 93.8 | 95.0 | 91.2 | 88.4 | | | 149.1 | |
| LCC EVENDALE | | 200 | 82.3 | 83.7 | 83.9 | 85.0 | 85.6 | 87.2 | 88.0 | 89.2 | 90.3 | 92.0 | 93.3 | 93.0 | 90.1 | 86.5 | | | 148.5 | |
| DATE 64-30-75 | | 250 | 84.3 | 84.1 | 84.0 | 86.4 | 87.5 | 87.8 | 88.8 | 89.3 | 90.7 | 92.6 | 92.4 | 93.0 | 89.6 | 86.5 | | | 148.8 | |
| RLN DBTF-MODEL 5 | | 315 | 83.3 | 85.3 | 86.2 | 85.4 | 86.8 | 87.9 | 88.7 | 89.9 | 92.3 | 93.8 | 91.5 | 91.7 | 88.4 | 85.5 | | | 148.9 | |
| TAPE X50050 | | 400 | 82.5 | 85.9 | 86.5 | 87.7 | 87.8 | 88.3 | 89.2 | 90.3 | 93.0 | 95.8 | 91.6 | 91.1 | 88.0 | 85.6 | | | 149.8 | |
| BAR 29.3 HG | | 500 | 81.8 | 85.6 | 86.9 | 88.0 | 88.3 | 89.0 | 90.3 | 92.1 | 94.5 | 96.6 | 91.2 | 90.0 | 87.2 | 85.2 | | | 150.5 | |
| (98807. H/42) | | 630 | 83.1 | 87.2 | 87.8 | 89.0 | 89.7 | 90.7 | 92.2 | 94.2 | 97.5 | 98.9 | 92.1 | 90.8 | 88.1 | 85.7 | | | 152.6 | |
| YAMB 66. DEG F | | 800 | 86.4 | 92.7 | 93.6 | 93.5 | 94.0 | 93.8 | 94.5 | 96.3 | 99.4 | 101.1 | 94.0 | 92.8 | 92.5 | 89.5 | | | 155.3 | |
| (292. DEG K) | | 1000 | 85.1 | 89.4 | 90.2 | 91.7 | 92.9 | 94.2 | 95.4 | 97.6 | 100.4 | 102.0 | 95.1 | 92.1 | 89.3 | 87.5 | | | 155.8 | |
| THET 60. DEG F | | 1250 | 87.4 | 92.4 | 92.4 | 93.2 | 94.7 | 95.8 | 97.2 | 99.2 | 102.6 | 103.8 | 96.8 | 93.4 | 91.4 | 89.7 | | | 157.8 | |
| (289. DEG K) | | 1600 | 88.5 | 94.8 | 94.4 | 94.6 | 95.5 | 96.5 | 98.3 | 100.7 | 102.1 | 104.5 | 98.6 | 95.1 | 93.3 | 90.9 | | | 158.7 | |
| HACT J. GH/H3 | | 2000 | 87.5 | 94.3 | 94.5 | 94.3 | 95.7 | 96.5 | 98.1 | 100.6 | 102.4 | 103.8 | 98.2 | 95.0 | 93.0 | 90.9 | | | 158.8 | |
| t. KG/H3) | | 2500 | 85.8 | 90.9 | 91.8 | 92.6 | 93.6 | 94.6 | 96.9 | 98.7 | 101.3 | 101.3 | 97.3 | 93.5 | 91.1 | 88.1 | | | 157.3 | |
| FREQ. SHIFT | | 3150 | 83.3 | 89.0 | 89.0 | 90.9 | 90.9 | 92.6 | 94.3 | 96.0 | 98.3 | 99.1 | 94.3 | 91.2 | 89.0 | 85.2 | | | 155.2 | |
| JET 9 | | 4000 | 78.8 | 84.4 | 84.9 | 86.9 | 86.4 | 89.5 | 91.0 | 92.5 | 93.9 | 95.3 | 90.0 | 86.6 | 84.4 | 80.0 | | | 152.0 | |
| DIAMETER RATIO | | 5000 | 75.0 | 80.2 | 80.7 | 83.2 | 83.0 | 85.8 | 86.0 | 87.7 | 90.3 | 91.4 | 84.8 | 81.2 | 79.4 | 75.4 | | | 148.1 | |
| DF/DM 8.00 | | 6300 | 70.3 | 74.7 | 75.5 | 77.3 | 77.7 | 79.0 | 81.5 | 83.9 | 85.9 | 87.6 | 80.3 | 77.8 | 76.4 | 73.5 | | | 145.1 | |
| OVERALL CALCULATED | | 8000 | 67.2 | 69.6 | 70.3 | 72.0 | 72.8 | 73.6 | 76.5 | 80.6 | 82.6 | 84.0 | 77.5 | 76.7 | 76.7 | 74.7 | | | 143.5 | |
| PNDB | | 10000 | 67.5 | 66.6 | 66.4 | 67.9 | 69.9 | 70.8 | 72.3 | 80.3 | 79.2 | 81.9 | 76.5 | 78.5 | 78.2 | 76.9 | | | 144.5 | |
| | | | 97.4 | 102.0 | 102.4 | 102.9 | 103.9 | 104.8 | 106.3 | 108.3 | 110.7 | 112.1 | 107.4 | 106.9 | 106.2 | 103.7 | | | 107.1 | |
| | | | 108.7 | 113.7 | 114.2 | 114.8 | 115.6 | 116.6 | 118.5 | 120.4 | 122.8 | 123.8 | 119.3 | 117.0 | 115.0 | 112.5 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 57.1 | 56.9 | 60.3 | 62.7 | 65.2 | 68.4 | 67.2 | 68.5 | 69.6 | 71.4 | 69.0 | 73.4 | 74.9 | 68.3 | | | |
| SIDELINE 2400 FT. | | 63 | 57.4 | 59.7 | 62.7 | 63.3 | 65.2 | 66.8 | 68.8 | 69.4 | 71.9 | 71.2 | 72.1 | 76.0 | 74.9 | 67.6 | | | |
| (731.52 M) | | 80 | 57.3 | 61.2 | 64.4 | 63.9 | 65.9 | 66.4 | 69.1 | 70.5 | 71.4 | 70.9 | 72.3 | 74.6 | 73.1 | 68.7 | | | |
| NFA 0. RPM | | 100 | 58.0 | 61.1 | 63.9 | 65.4 | 67.1 | 66.8 | 68.9 | 71.2 | 72.4 | 74.1 | 74.5 | 74.4 | 71.0 | 66.2 | | | |
| (0. RAD/SEC) | | 125 | 58.7 | 60.7 | 63.9 | 65.2 | 66.8 | 68.2 | 70.0 | 70.6 | 72.2 | 72.9 | 73.4 | 72.9 | 69.0 | 61.6 | | | |
| NFK 0. RPM | | 160 | 57.9 | 61.1 | 63.6 | 65.2 | 66.7 | 68.1 | 70.9 | 70.6 | 71.9 | 73.3 | 73.4 | 72.9 | 66.6 | 60.1 | | | |
| (0. RAD/SEC) | | 200 | 57.5 | 61.4 | 63.3 | 65.5 | 66.9 | 69.0 | 69.9 | 71.0 | 71.6 | 72.5 | 72.7 | 71.6 | 65.3 | 57.7 | | | |
| NFD 0. RPM | | 250 | 59.2 | 61.5 | 63.2 | 66.8 | 68.6 | 69.5 | 70.5 | 70.9 | 71.9 | 73.0 | 71.6 | 70.4 | 64.5 | 57.3 | | | |
| (0. RAD/SEC) | | 315 | 57.7 | 62.4 | 65.1 | 65.6 | 67.8 | 69.3 | 70.2 | 71.3 | 73.2 | 73.9 | 70.4 | 68.8 | 62.8 | 55.6 | | | |
| AIRFLOW RATIO | | 400 | 56.4 | 62.5 | 65.0 | 67.5 | 68.5 | 69.4 | 70.5 | 71.5 | 73.7 | 75.6 | 70.2 | 67.8 | 61.9 | 54.9 | | | |
| WF/KH 8.03 | | 500 | 55.1 | 61.8 | 65.1 | 67.5 | 68.7 | 69.8 | 71.3 | 73.0 | 74.8 | 76.1 | 69.4 | 66.2 | 60.5 | 53.5 | | | |
| | | 630 | 55.5 | 62.7 | 65.4 | 68.0 | 69.6 | 71.2 | 72.8 | 74.6 | 77.4 | 77.9 | 69.7 | 66.3 | 60.5 | 52.8 | | | |
| | | 800 | 57.6 | 67.4 | 70.5 | 71.9 | 73.4 | 73.7 | 74.6 | 76.2 | 78.8 | 79.4 | 70.9 | 67.5 | 63.7 | 54.8 | | | |
| VEHICLE JENOTS | | 1000 | 55.0 | 63.1 | 66.2 | 69.3 | 71.6 | 73.5 | 74.8 | 76.8 | 79.1 | 79.7 | 71.1 | 65.8 | 59.2 | 50.9 | | | |
| CONFIG JE*057 | | 1250 | 55.6 | 64.7 | 67.4 | 69.9 | 72.5 | 74.3 | 75.8 | 77.7 | 80.4 | 80.6 | 71.8 | 65.8 | 59.6 | 50.5 | | | |
| LOC EVENDALE | | 1600 | 54.3 | 65.3 | 67.9 | 70.0 | 72.1 | 73.8 | 75.8 | 78.0 | 78.7 | 79.8 | 72.1 | 65.6 | 59.0 | 48.1 | | | |
| DATE 04-30-75 | | 2000 | 50.3 | 62.6 | 66.2 | 68.1 | 70.9 | 72.5 | 74.3 | 76.6 | 77.6 | 77.6 | 69.9 | 63.3 | 55.9 | 43.7 | | | |
| RUN DBTF-MODEL 5 | | 2500 | 44.5 | 56.0 | 60.8 | 64.1 | 66.7 | 68.5 | 71.2 | 72.7 | 74.4 | 72.9 | 66.3 | 58.6 | 49.7 | 34.7 | | | |
| TAPE X50050 | | 3150 | 35.2 | 49.0 | 53.8 | 58.7 | 60.6 | 63.4 | 68.4 | 66.8 | 68.0 | 66.9 | 59.1 | 51.2 | 41.0 | 21.8 | | | |
| FAN TIP SPEED | | 4000 | 20.7 | 36.6 | 43.4 | 49.2 | 51.1 | 55.5 | 57.5 | 58.2 | 58.6 | 57.6 | 48.4 | 38.9 | 26.3 | 1.5 | | | |
| FT/SEC | | 5000 | 11.0 | 28.0 | 35.4 | 42.3 | 44.8 | 47.1 | 49.7 | 50.9 | 52.1 | 50.5 | 39.6 | 29.0 | 15.4 | | | | |
| | | 6300 | | 9.4 | 19.4 | 27.0 | 30.9 | 34.1 | 37.2 | 39.0 | 39.1 | 37.3 | 24.3 | 12.5 | | | | | |
| | | 8000 | | | | 7.3 | 12.8 | 16.2 | 20.0 | 23.3 | 22.6 | 19.2 | 4.9 | | | | | | |
| OVERALL CALCULATED | | 10000 | | | | | | | | 5.5 | 0.9 | | | | | | | | |
| 838 | OVERALL CALCULATED | 69.2 | 75.1 | 78.0 | 80.0 | 81.9 | 83.2 | 84.9 | 86.5 | 88.3 | 88.9 | 84.1 | 83.4 | 80.9 | 74.7 | | | | |
| 834 | PND8 | 74.0 | 83.0 | 86.2 | 88.6 | 90.9 | 92.5 | 94.3 | 96.1 | 97.6 | 97.9 | 91.4 | 86.9 | 80.9 | 72.0 | | | | |

| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| REV. ALPHA 12/73 FREQ. | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 79.4 | 76.5 | 77.3 | 79.4 | 81.9 | 81.2 | 82.8 | 84.8 | 86.8 | 88.3 | 86.8 | 92.5 | 96.0 | 94.4 | | | 147.0 |
| RCG, NO. | | 63 | 76.1 | 76.8 | 77.8 | 77.0 | 78.0 | 78.6 | 81.2 | 82.0 | 84.4 | 84.9 | 87.5 | 93.9 | 95.3 | 93.8 | | | 146.4 |
| RADIAL 320. FT. | | 80 | 77.3 | 77.9 | 79.2 | 77.9 | 79.2 | 78.5 | 81.1 | 82.1 | 84.2 | 84.7 | 87.2 | 92.1 | 93.4 | 95.8 | | | 145.9 |
| (98. M) | | 100 | 77.5 | 78.7 | 78.9 | 79.5 | 82.3 | 79.0 | 81.2 | 82.9 | 85.0 | 87.3 | 89.5 | 93.0 | 92.5 | 93.0 | | | 145.9 |
| VEHICLE JENOTS | | 125 | 78.6 | 77.9 | 79.8 | 79.1 | 79.5 | 80.2 | 82.2 | 82.8 | 84.4 | 86.6 | 87.7 | 90.7 | 90.4 | 88.2 | | | 144.2 |
| CCNFIG JENOTS | | 160 | 77.2 | 77.7 | 78.6 | 79.5 | 79.7 | 80.2 | 82.9 | 82.7 | 84.4 | 85.9 | 88.1 | 90.7 | 88.7 | 85.2 | | | 143.9 |
| LOC EVENDALE | | 200 | 76.8 | 78.7 | 79.4 | 79.5 | 80.1 | 80.7 | 82.3 | 82.5 | 83.8 | 85.7 | 87.6 | 88.7 | 86.1 | 82.7 | | | 143.0 |
| DATE 64-30-75 | | 250 | 78.8 | 77.8 | 78.5 | 80.9 | 81.0 | 81.3 | 81.5 | 82.1 | 83.2 | 84.6 | 85.9 | 87.2 | 84.3 | 81.3 | | | 142.1 |
| RUN DATE-MODEL 5 | | 315 | 78.0 | 78.8 | 80.5 | 78.9 | 79.3 | 80.7 | 80.7 | 81.6 | 84.0 | 84.6 | 85.0 | 85.9 | 81.4 | 78.5 | | | 141.5 |
| TAPE X50060 | | 400 | 76.5 | 79.4 | 80.0 | 80.7 | 80.3 | 80.3 | 81.2 | 82.8 | 84.0 | 85.6 | 84.9 | 84.3 | 81.0 | 78.3 | | | 141.7 |
| BAR 29.3 HG | | 500 | 75.6 | 78.4 | 79.9 | 80.2 | 80.1 | 80.5 | 81.1 | 82.1 | 84.5 | 87.1 | 85.5 | 83.2 | 79.0 | 77.2 | | | 141.9 |
| (98807. N/42) | | 630 | 76.1 | 79.7 | 80.5 | 81.2 | 80.9 | 81.5 | 82.7 | 83.7 | 85.5 | 88.9 | 88.9 | 86.0 | 80.4 | 78.7 | | | 143.8 |
| TAMB 68. DEG F | | 800 | 76.4 | 80.7 | 81.4 | 82.0 | 82.5 | 82.9 | 83.5 | 84.3 | 86.7 | 88.1 | 88.8 | 86.1 | 81.2 | 80.0 | | | 144.2 |
| (293. DEG K) | | 1000 | 75.9 | 80.9 | 81.4 | 82.2 | 82.2 | 83.0 | 83.4 | 85.7 | 87.9 | 89.1 | 87.8 | 84.4 | 80.8 | 79.5 | | | 144.5 |
| THET 61. DEG F | | 1250 | 76.2 | 81.4 | 82.4 | 82.5 | 82.9 | 83.3 | 82.7 | 85.5 | 87.6 | 91.1 | 88.6 | 83.2 | 80.9 | 79.2 | | | 145.2 |
| (289. DEG K) | | 1600 | 75.0 | 81.6 | 82.7 | 82.4 | 82.5 | 83.3 | 83.6 | 85.4 | 86.9 | 88.2 | 86.9 | 82.6 | 80.0 | 78.7 | | | 144.3 |
| HACT 0. GM/M3 | | 2000 | 73.0 | 79.3 | 80.3 | 79.6 | 80.8 | 82.0 | 82.4 | 84.1 | 85.7 | 86.8 | 85.2 | 80.3 | 78.3 | 76.6 | | | 143.0 |
| (1. KG/M3) | | 2500 | 68.8 | 75.1 | 76.3 | 76.4 | 76.9 | 78.1 | 79.2 | 81.2 | 82.9 | 84.4 | 81.3 | 76.8 | 74.3 | 72.9 | | | 140.1 |
| FREQ. SHIFT | | 3150 | 65.6 | 71.3 | 72.8 | 72.9 | 72.9 | 74.4 | 76.3 | 77.8 | 79.8 | 80.4 | 77.5 | 73.2 | 71.5 | 69.5 | | | 137.1 |
| JET 9 | | 4000 | 60.1 | 66.1 | 66.9 | 67.4 | 67.4 | 70.2 | 72.5 | 74.0 | 74.6 | 76.3 | 73.7 | 69.4 | 67.2 | 64.8 | | | 133.4 |
| DIAMETER RATIO | | 5000 | 56.2 | 61.7 | 62.2 | 62.7 | 62.8 | 63.6 | 66.3 | 69.0 | 70.1 | 71.6 | 68.1 | 65.0 | 64.4 | 62.4 | | | 128.9 |
| DF/DM 8.00 | | 6300 | 55.0 | 56.7 | 57.0 | 57.5 | 58.2 | 58.7 | 60.5 | 65.5 | 64.5 | 70.1 | 63.9 | 65.1 | 64.2 | 62.8 | | | 125.9 |
| OVERALL CALCULATED | | 8000 | 56.5 | 55.4 | 54.6 | 56.0 | 58.3 | 56.3 | 58.1 | 66.1 | 63.4 | 72.3 | 64.1 | 67.3 | 66.7 | 65.3 | | | 130.0 |
| PNDB | | 10000 | 58.0 | 55.9 | 55.4 | 56.4 | 59.7 | 58.0 | 59.6 | 68.8 | 64.7 | 75.0 | 66.0 | 69.8 | 68.8 | 67.5 | | | 135.0 |
| | | | 89.3 | 91.7 | 92.6 | 92.9 | 93.3 | 93.8 | 94.8 | 96.1 | 98.0 | 99.8 | 99.8 | 101.5 | 101.7 | 101.1 | | | 156.8 |
| | | | 96.7 | 101.1 | 102.1 | 102.1 | 102.5 | 103.4 | 104.3 | 106.0 | 107.6 | 109.4 | 108.1 | 106.1 | 104.1 | 103.1 | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| REV. ALPHA 12/73 | FREQ. | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) |
| NO EGA | 50 | 55.6 | 54.9 | 57.3 | 60.3 | 63.7 | 63.4 | 65.2 | 67.0 | 68.6 | 69.4 | 66.7 | 70.9 | 72.1 | 67.1 | | | |
| SIDELINE 2400 FT. | 63 | 52.1 | 55.2 | 57.7 | 58.0 | 59.7 | 60.8 | 63.5 | 64.1 | 66.2 | 66.6 | 67.4 | 72.2 | 71.4 | 66.4 | | | |
| (731.52 M) | 80 | 53.3 | 56.2 | 59.1 | 58.9 | 60.9 | 60.6 | 63.4 | 64.2 | 65.9 | 65.7 | 67.1 | 70.3 | 69.4 | 68.2 | | | |
| NFA | 100 | 53.3 | 56.8 | 58.7 | 60.4 | 61.9 | 61.1 | 63.4 | 64.9 | 66.7 | 68.1 | 69.2 | 71.2 | 68.3 | 65.2 | | | |
| 0. RPM | 125 | 54.2 | 55.9 | 59.4 | 60.0 | 61.1 | 62.2 | 64.3 | 64.8 | 65.9 | 67.4 | 67.4 | 68.7 | 66.0 | 60.1 | | | |
| (0. RAD/SEC) | 160 | 52.7 | 55.6 | 58.1 | 60.2 | 61.2 | 62.1 | 64.9 | 64.6 | 65.9 | 66.6 | 67.6 | 68.6 | 64.1 | 56.8 | | | |
| NFK | 200 | 52.0 | 56.4 | 58.8 | 60.0 | 61.4 | 62.5 | 64.2 | 64.2 | 65.1 | 66.3 | 67.0 | 66.4 | 61.3 | 54.0 | | | |
| (0. RAD/SEC) | 250 | 53.7 | 55.2 | 57.7 | 61.3 | 62.1 | 63.0 | 63.3 | 63.7 | 64.4 | 65.0 | 65.1 | 64.7 | 59.2 | 52.0 | | | |
| NFD | 315 | 52.5 | 55.9 | 59.4 | 59.1 | 60.3 | 62.1 | 62.2 | 63.0 | 65.0 | 64.7 | 63.9 | 63.0 | 55.8 | 48.6 | | | |
| (0. RAD/SEC) | 400 | 50.4 | 56.1 | 58.5 | 60.5 | 61.0 | 61.4 | 62.5 | 64.0 | 64.7 | 65.4 | 63.4 | 61.0 | 54.9 | 47.7 | | | |
| AIRFLOW RATIO | 500 | 48.8 | 54.6 | 58.1 | 59.7 | 60.4 | 61.3 | 62.0 | 63.0 | 64.8 | 66.6 | 63.6 | 59.4 | 52.2 | 45.5 | | | |
| WF/WM 8.00 | 630 | 48.5 | 55.2 | 58.1 | 60.3 | 60.9 | 61.9 | 63.3 | 64.1 | 65.4 | 67.9 | 66.5 | 61.6 | 52.8 | 45.8 | | | |
| | 800 | 47.6 | 55.4 | 58.3 | 60.4 | 61.9 | 62.7 | 63.6 | 64.2 | 66.0 | 66.4 | 65.7 | 60.8 | 52.5 | 45.3 | | | |
| VEHICLE JENOTS | 1000 | 45.8 | 54.6 | 57.5 | 59.8 | 60.8 | 62.2 | 62.8 | 64.6 | 66.6 | 66.7 | 63.9 | 58.0 | 50.7 | 42.9 | | | |
| CONFIG JE-257 | 1250 | 44.4 | 53.7 | 57.4 | 59.2 | 60.7 | 61.8 | 61.3 | 63.9 | 65.4 | 67.8 | 63.6 | 55.5 | 49.1 | 40.0 | | | |
| LCC EVENDALE | 1600 | 40.8 | 52.1 | 56.1 | 57.8 | 59.2 | 60.6 | 61.1 | 62.7 | 63.5 | 63.6 | 60.3 | 53.1 | 45.8 | 35.8 | | | |
| DATE 04-30-75 | 2000 | 35.9 | 47.6 | 51.9 | 53.4 | 55.9 | 58.0 | 58.6 | 60.1 | 60.8 | 60.6 | 56.9 | 48.6 | 41.1 | 29.5 | | | |
| RUN DBTF-MODEL 5 | 2500 | 27.5 | 40.2 | 45.3 | 47.9 | 50.0 | 52.1 | 53.4 | 55.2 | 55.9 | 55.9 | 50.3 | 41.9 | 33.0 | 19.4 | | | |
| TAPE X5L060 | 3150 | 17.5 | 31.2 | 37.5 | 40.7 | 42.6 | 45.1 | 47.4 | 48.6 | 49.5 | 48.2 | 42.3 | 33.2 | 23.5 | 6.0 | | | |
| FAN TIP SPEED | 4000 | 1.9 | 18.4 | 25.4 | 29.7 | 32.1 | 36.2 | 38.5 | 40.0 | 39.3 | 38.7 | 32.2 | 21.6 | 9.0 | | | | |
| FT/SEC | 5000 | | 9.5 | 17.0 | 21.8 | 24.6 | 26.8 | 30.0 | 32.2 | 31.9 | 30.7 | 22.8 | 12.8 | 0.4 | | | | |
| | 6300 | | | 1.0 | 7.2 | 11.4 | 13.9 | 16.2 | 20.6 | 17.7 | 19.8 | 7.8 | | | | | | |
| | 8000 | | | | | | | 1.5 | 8.8 | 3.4 | 7.5 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 63.7 | 67.5 | 70.3 | 72.0 | 73.3 | 74.1 | 75.5 | 76.5 | 77.9 | 78.8 | 78.1 | 79.2 | 77.5 | 73.3 | | | |
| PND8 | | 64.8 | 71.9 | 75.6 | 77.5 | 78.9 | 80.3 | 81.3 | 82.6 | 83.7 | 84.3 | 81.9 | 78.9 | 73.7 | 67.6 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-----|-------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | | 50 | 85.4 | 77.7 | 79.8 | 79.9 | 82.4 | 82.2 | 83.8 | 85.8 | 88.3 | 89.6 | 88.5 | 95.0 | 98.0 | 96.9 | | | | 148.9 | |
| REG. NO. | | 63 | 79.1 | 79.6 | 81.1 | 80.3 | 80.7 | 81.4 | 84.3 | 85.7 | 87.9 | 88.7 | 90.7 | 97.1 | 98.1 | 95.1 | | | | 149.3 | |
| RADIAL 324. FT. | | 80 | 79.8 | 80.4 | 81.7 | 80.4 | 82.2 | 81.5 | 84.6 | 85.4 | 87.7 | 88.2 | 90.7 | 95.6 | 96.4 | 96.5 | | | | 148.6 | |
| (98. 4) | | 100 | 80.0 | 80.9 | 81.4 | 81.8 | 82.3 | 82.3 | 84.2 | 86.4 | 88.5 | 90.5 | 93.0 | 95.3 | 94.5 | 94.0 | | | | 148.4 | |
| VEHICLE JENOTS | | 125 | 81.1 | 79.9 | 81.8 | 81.9 | 82.8 | 83.7 | 85.2 | 86.3 | 87.6 | 89.8 | 91.5 | 92.9 | 92.1 | 88.9 | | | | 146.9 | |
| CCAFIC JE*-57 | | 160 | 80.5 | 80.7 | 81.4 | 82.3 | 82.2 | 83.4 | 86.2 | 86.2 | 87.7 | 89.4 | 91.1 | 93.5 | 90.2 | 86.4 | | | | 146.7 | |
| L/C EYENDALG | | 200 | 80.0 | 82.0 | 82.4 | 82.2 | 83.8 | 84.2 | 85.3 | 86.2 | 87.1 | 88.5 | 90.1 | 91.2 | 87.9 | 84.5 | | | | 145.8 | |
| DATE 04-30-75 | | 250 | 82.3 | 81.8 | 82.8 | 84.9 | 85.2 | 85.8 | 85.8 | 86.3 | 87.7 | 88.4 | 89.7 | 90.0 | 86.8 | 83.8 | | | | 145.9 | |
| RUN DBTF-MODEL 5 | | 315 | 81.5 | 83.0 | 84.7 | 83.9 | 84.3 | 85.2 | 85.7 | 86.9 | 88.0 | 89.3 | 88.5 | 89.2 | 84.4 | 82.0 | | | | 145.7 | |
| TAPE X50080 | | 400 | 81.8 | 83.9 | 85.5 | 86.2 | 86.0 | 86.0 | 86.7 | 87.8 | 88.8 | 91.1 | 88.6 | 87.6 | 84.5 | 81.8 | | | | 146.6 | |
| BAR 29.3 HG | | 500 | 80.1 | 83.6 | 85.7 | 86.7 | 86.6 | 86.5 | 87.5 | 89.1 | 91.5 | 93.3 | 88.5 | 87.2 | 84.2 | 82.2 | | | | 147.8 | |
| (98807. N/42) | | 630 | 81.4 | 86.4 | 86.8 | 88.0 | 87.4 | 88.5 | 88.9 | 90.7 | 93.7 | 96.9 | 90.9 | 88.8 | 85.9 | 84.0 | | | | 150.2 | |
| TAMB 66. DEG F | | 800 | 85.9 | 93.2 | 93.1 | 93.0 | 91.5 | 92.6 | 92.3 | 93.5 | 95.2 | 99.1 | 93.8 | 91.3 | 90.2 | 88.0 | | | | 153.3 | |
| (292. DEG K) | | 1000 | 82.6 | 86.9 | 87.7 | 89.9 | 90.4 | 91.5 | 92.4 | 94.3 | 97.2 | 99.8 | 94.6 | 90.6 | 88.0 | 86.0 | | | | 153.3 | |
| THET 60. DEG F | | 1250 | 83.4 | 88.4 | 89.4 | 90.7 | 91.9 | 92.6 | 93.2 | 96.2 | 99.6 | 101.3 | 95.8 | 91.2 | 88.9 | 86.7 | | | | 155.1 | |
| (289. DEG K) | | 1600 | 83.5 | 89.3 | 89.9 | 91.1 | 92.8 | 93.0 | 94.3 | 96.4 | 98.4 | 101.5 | 97.1 | 92.1 | 89.8 | 87.7 | | | | 155.4 | |
| HAET 0. GH/H3 | | 2000 | 83.0 | 89.0 | 90.5 | 90.1 | 92.0 | 92.8 | 94.4 | 95.9 | 98.2 | 99.8 | 95.7 | 91.3 | 89.8 | 87.6 | | | | 154.8 | |
| (KG/H3) | | 2500 | 82.6 | 90.9 | 91.8 | 91.1 | 90.6 | 90.6 | 92.2 | 94.2 | 96.1 | 97.6 | 93.8 | 90.0 | 89.8 | 88.1 | | | | 153.5 | |
| FREQ. SHIFT | | 3150 | 78.8 | 86.8 | 88.0 | 88.6 | 87.4 | 87.4 | 89.3 | 90.5 | 93.0 | 94.3 | 89.3 | 85.7 | 84.8 | 83.0 | | | | 150.5 | |
| JET 9 | | 4000 | 73.5 | 81.1 | 81.9 | 83.4 | 82.2 | 84.0 | 85.8 | 87.0 | 88.1 | 89.8 | 85.5 | 80.3 | 78.9 | 76.8 | | | | 146.8 | |
| DIAMETER RATIO | | 5000 | 70.2 | 76.9 | 78.2 | 79.2 | 78.5 | 79.3 | 81.5 | 82.7 | 84.6 | 86.1 | 79.8 | 74.7 | 74.2 | 73.7 | | | | 143.1 | |
| DF/DM 8.00 | | 6300 | 64.5 | 71.2 | 73.0 | 74.0 | 73.9 | 74.7 | 77.2 | 77.7 | 79.4 | 82.8 | 75.8 | 70.8 | 70.2 | 72.5 | | | | 140.0 | |
| OVERALL CALCULATED | | 8000 | 59.9 | 67.1 | 67.8 | 69.5 | 69.6 | 70.1 | 72.0 | 73.4 | 76.6 | 82.7 | 74.5 | 68.7 | 67.7 | 75.2 | | | | 139.9 | |
| PNDB | | 10000 | 59.0 | 65.3 | 65.1 | 66.7 | 69.2 | 68.8 | 70.3 | 70.8 | 75.2 | 84.9 | 76.2 | 70.0 | 67.7 | 76.9 | | | | 143.6 | |
| | | | 94.6 | 99.4 | 100.3 | 100.7 | 101.1 | 101.6 | 102.7 | 104.5 | 106.8 | 109.1 | 105.4 | 105.1 | 104.8 | 103.3 | | | | 164.1 | |
| | | | 105.4 | 111.6 | 112.6 | 112.7 | 112.6 | 113.0 | 114.5 | 116.2 | 118.2 | 120.2 | 116.4 | 113.7 | 112.6 | 111.1 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|
| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 56.6 | 56.1 | 59.8 | 61.0 | 64.2 | 64.4 | 66.2 | 68.5 | 70.1 | 75.6 | 68.5 | 73.4 | 74.1 | 69.6 | | | | |
| SIDELINE 2400 FT. | 63 | 55.1 | 57.9 | 61.0 | 61.3 | 62.5 | 63.5 | 66.8 | 67.9 | 69.7 | 69.7 | 70.6 | 75.5 | 74.1 | 67.6 | | | | |
| (731.52 M) | 80 | 55.8 | 58.7 | 61.6 | 61.4 | 63.9 | 63.6 | 66.9 | 67.5 | 69.4 | 69.2 | 70.6 | 73.8 | 72.4 | 62.0 | | | | |
| NFA | 100 | 55.8 | 59.1 | 61.2 | 62.6 | 63.9 | 64.3 | 66.4 | 68.4 | 70.2 | 71.4 | 72.7 | 73.4 | 70.3 | 66.2 | | | | |
| (0. RPM | 125 | 56.7 | 57.9 | 61.4 | 62.7 | 64.3 | 65.7 | 67.3 | 68.3 | 69.2 | 70.6 | 71.1 | 70.9 | 67.8 | 60.9 | | | | |
| (0. RAD/SEC) | 160 | 55.9 | 58.6 | 60.9 | 63.0 | 63.7 | 65.3 | 68.2 | 68.1 | 69.1 | 70.1 | 70.6 | 71.3 | 65.6 | 58.1 | | | | |
| NFK | 200 | 55.2 | 59.6 | 61.8 | 62.8 | 65.1 | 66.0 | 67.2 | 68.2 | 68.4 | 69.0 | 69.5 | 68.9 | 63.1 | 55.7 | | | | |
| (0. RAD/SEC) | 250 | 57.2 | 59.2 | 61.9 | 65.3 | 66.4 | 67.5 | 67.5 | 67.9 | 68.9 | 68.7 | 68.8 | 67.4 | 61.7 | 54.5 | | | | |
| NFD | 315 | 56.0 | 60.1 | 63.6 | 64.1 | 65.3 | 66.6 | 67.2 | 68.3 | 68.9 | 69.4 | 67.4 | 66.3 | 58.8 | 52.1 | | | | |
| (0. RAD/SEC) | 400 | 54.6 | 60.5 | 64.0 | 66.0 | 66.7 | 67.2 | 68.0 | 69.0 | 69.4 | 70.9 | 67.2 | 64.3 | 58.4 | 51.1 | | | | |
| AIRFLOW RATIO | 500 | 53.3 | 59.8 | 63.8 | 66.2 | 66.9 | 67.3 | 68.5 | 70.0 | 71.8 | 72.8 | 66.6 | 63.4 | 57.5 | 50.5 | | | | |
| WF/WB 8.00 | 630 | 53.8 | 62.0 | 64.4 | 67.0 | 67.3 | 68.9 | 69.5 | 71.1 | 73.6 | 75.9 | 68.5 | 64.3 | 58.3 | 51.0 | | | | |
| | 800 | 57.1 | 67.9 | 70.0 | 71.4 | 70.9 | 72.5 | 72.3 | 73.4 | 74.5 | 72.4 | 70.6 | 66.0 | 61.5 | 53.3 | | | | |
| VEHICLE JENOTS | 1000 | 52.5 | 60.6 | 63.7 | 67.5 | 69.1 | 70.7 | 71.8 | 73.6 | 75.8 | 77.4 | 70.6 | 64.3 | 57.9 | 49.4 | | | | |
| CCNFIG JE-157 | 1250 | 51.6 | 60.7 | 64.4 | 67.4 | 69.7 | 71.0 | 71.8 | 74.7 | 77.4 | 78.1 | 70.8 | 63.5 | 57.1 | 47.5 | | | | |
| LCC EVENDALE | 1600 | 49.3 | 59.8 | 63.4 | 66.5 | 69.4 | 70.3 | 71.8 | 73.7 | 75.0 | 76.8 | 70.6 | 62.6 | 55.5 | 44.8 | | | | |
| DATE 04-30-75 | 2000 | 45.8 | 57.3 | 62.2 | 63.9 | 67.2 | 68.7 | 70.6 | 71.8 | 73.3 | 73.6 | 67.4 | 59.6 | 52.6 | 40.5 | | | | |
| RLN CBTF-MODEL 5 | 2500 | 41.3 | 56.0 | 60.8 | 62.6 | 63.7 | 64.5 | 66.4 | 68.2 | 69.2 | 69.1 | 62.8 | 55.1 | 48.5 | 34.7 | | | | |
| TAPE X5L080 | 3150 | 30.7 | 46.5 | 52.8 | 56.4 | 57.1 | 58.1 | 60.4 | 61.3 | 62.8 | 62.2 | 54.1 | 45.7 | 36.7 | 19.5 | | | | |
| FAN TIP SPEED | 4000 | 15.4 | 33.4 | 40.4 | 45.7 | 46.9 | 50.0 | 52.2 | 53.0 | 52.8 | 52.1 | 43.9 | 32.6 | 20.8 | | | | | |
| FT/SEC | 5000 | 6.2 | 24.7 | 32.9 | 38.3 | 40.3 | 42.6 | 45.2 | 45.9 | 46.3 | 45.2 | 34.6 | 22.5 | 10.2 | | | | | |
| | 6300 | | 5.9 | 16.9 | 23.7 | 27.1 | 29.8 | 33.0 | 32.8 | 32.6 | 32.5 | 19.8 | 5.5 | | | | | | |
| | 8000 | | | | 4.8 | 9.6 | 12.7 | 15.5 | 16.0 | 16.6 | 18.0 | 1.9 | | | | | | | |
| | 10000 | | | | | | | | | | 0.1 | | | | | | | | |
| OVERALL CALCULATED | | 67.3 | 73.2 | 76.1 | 78.1 | 79.4 | 80.6 | 81.7 | 83.2 | 84.9 | 86.2 | 82.2 | 82.2 | 79.9 | 74.8 | | | | |
| PNDB | | 71.2 | 80.2 | 83.7 | 85.9 | 87.8 | 89.1 | 90.7 | 92.0 | 93.5 | 94.6 | 89.3 | 84.3 | 78.3 | 70.8 | | | | |

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | | PROC. DATE = MONTH 59 DAY 0 HR. 06 | | | | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY = JENOTS) | | | | |
|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|-------|------|------|-------|--|--|--|--|--|
| | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | |
| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL | | | | | |
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | | | |
| | 50 | 82.9 | 81.2 | 82.6 | 83.4 | 85.4 | 85.7 | 87.3 | 88.8 | 91.6 | 93.8 | 93.0 | 99.0 | 103.0 | 100.9 | | | 153.1 | | | | | |
| NO EGA | 63 | 82.6 | 83.8 | 85.1 | 84.5 | 85.7 | 86.4 | 88.5 | 90.5 | 92.2 | 92.9 | 95.0 | 101.4 | 101.8 | 98.8 | | | 153.3 | | | | | |
| RCG. NO. 0. | 80 | 84.1 | 84.9 | 85.7 | 84.7 | 85.7 | 86.0 | 88.8 | 90.1 | 92.7 | 93.2 | 95.9 | 100.1 | 101.1 | 99.5 | | | 153.1 | | | | | |
| RADIAL 320. FT. | 120 | 84.2 | 85.2 | 85.9 | 86.8 | 87.3 | 87.3 | 88.9 | 91.6 | 93.0 | 96.0 | 98.0 | 99.5 | 98.5 | 97.7 | | | 153.0 | | | | | |
| (98. 4) | 125 | 85.3 | 84.4 | 86.3 | 85.9 | 87.3 | 87.7 | 89.4 | 90.8 | 92.9 | 95.8 | 96.7 | 97.7 | 96.1 | 92.7 | | | 151.8 | | | | | |
| VEHICLE JENOTS | 160 | 84.7 | 85.4 | 86.1 | 86.3 | 87.2 | 88.2 | 91.4 | 90.9 | 92.9 | 95.1 | 97.3 | 98.2 | 93.9 | 90.7 | | | 151.8 | | | | | |
| CONFIG JE*057 | 200 | 84.0 | 85.5 | 85.9 | 86.2 | 87.3 | 88.7 | 90.3 | 91.2 | 93.1 | 94.5 | 96.1 | 96.0 | 93.1 | 89.5 | | | 151.0 | | | | | |
| LCC EVENDALE | 250 | 85.8 | 85.6 | 86.0 | 88.4 | 89.2 | 89.3 | 90.5 | 91.3 | 93.0 | 94.4 | 95.2 | 95.5 | 92.1 | 88.8 | | | 150.9 | | | | | |
| DATE 04-30-75 | 315 | 84.8 | 86.8 | 87.5 | 87.4 | 88.1 | 89.2 | 90.4 | 91.4 | 93.5 | 95.1 | 94.2 | 94.4 | 90.4 | 88.0 | | | 150.7 | | | | | |
| RUN DBTF-MODEL 5 | 400 | 84.3 | 87.1 | 88.0 | 88.7 | 89.0 | 90.5 | 90.5 | 92.3 | 94.8 | 96.3 | 93.4 | 93.6 | 90.8 | 87.8 | | | 151.3 | | | | | |
| TAPE X50100 | 500 | 83.3 | 87.1 | 87.7 | 88.5 | 89.3 | 90.0 | 91.8 | 93.6 | 97.0 | 97.3 | 93.2 | 92.0 | 89.5 | 87.4 | | | 152.0 | | | | | |
| BAR 29.3 HG | 630 | 84.1 | 87.9 | 89.0 | 89.5 | 90.4 | 92.0 | 93.4 | 95.4 | 98.7 | 98.9 | 93.4 | 93.3 | 89.6 | 87.7 | | | 153.6 | | | | | |
| (98837. N/42) | 800 | 86.1 | 93.0 | 94.6 | 93.5 | 94.3 | 94.8 | 95.3 | 97.3 | 100.4 | 100.6 | 94.3 | 93.8 | 92.0 | 89.0 | | | 155.7 | | | | | |
| TAMB 66. DEG F | 1000 | 85.6 | 90.7 | 91.7 | 93.2 | 94.4 | 95.5 | 96.4 | 98.6 | 101.9 | 101.8 | 95.3 | 93.4 | 90.8 | 88.8 | | | 156.7 | | | | | |
| (292. DEG K) | 1250 | 87.2 | 93.6 | 94.4 | 95.2 | 96.2 | 96.6 | 97.9 | 101.2 | 104.1 | 103.6 | 97.3 | 94.4 | 92.1 | 90.2 | | | 158.8 | | | | | |
| THEY 60. DEG F | 1600 | 88.5 | 95.6 | 96.7 | 96.4 | 97.3 | 98.3 | 99.6 | 101.9 | 104.6 | 104.5 | 98.6 | 95.6 | 93.3 | 90.4 | | | 159.2 | | | | | |
| (289. DEG K) | 2000 | 88.0 | 94.5 | 95.8 | 96.1 | 97.2 | 98.8 | 100.1 | 102.6 | 104.7 | 104.1 | 99.0 | 96.0 | 93.3 | 90.1 | | | 160.2 | | | | | |
| HACT 3. GM/M3 | 2500 | 86.1 | 92.4 | 93.1 | 94.6 | 95.4 | 96.6 | 98.9 | 100.7 | 102.6 | 102.1 | 98.3 | 94.8 | 92.1 | 88.4 | | | 158.7 | | | | | |
| (. KG/M3) | 3150 | 84.0 | 91.0 | 92.0 | 93.4 | 93.6 | 95.4 | 96.8 | 98.5 | 100.3 | 99.3 | 95.5 | 92.7 | 90.3 | 86.2 | | | 157.0 | | | | | |
| FREQ. SHIFT | 4000 | 79.8 | 86.4 | 87.7 | 89.1 | 89.2 | 91.5 | 93.3 | 94.5 | 95.1 | 96.1 | 91.7 | 88.8 | 86.6 | 81.5 | | | 153.7 | | | | | |
| JET 9 | 5000 | 75.5 | 82.9 | 83.4 | 85.2 | 85.8 | 86.1 | 88.5 | 90.2 | 92.3 | 91.9 | 86.3 | 83.0 | 81.7 | 77.2 | | | 149.9 | | | | | |
| DIAMETER RATIO | 6300 | 71.0 | 77.0 | 78.2 | 79.8 | 80.2 | 81.7 | 84.2 | 86.4 | 88.4 | 88.6 | 81.6 | 79.3 | 77.7 | 74.5 | | | 147.1 | | | | | |
| DF/DH 8.00 | 8000 | 67.7 | 71.4 | 72.5 | 74.8 | 75.3 | 76.8 | 80.8 | 83.1 | 85.3 | 86.2 | 77.8 | 77.5 | 77.4 | 75.0 | | | 145.9 | | | | | |
| | 10000 | 68.0 | 67.1 | 67.4 | 69.9 | 71.4 | 72.5 | 79.6 | 81.3 | 81.4 | 86.4 | 77.0 | 79.5 | 79.0 | 77.4 | | | 147.2 | | | | | |
| OVERALL CALCULATED | | 98.2 | 103.0 | 104.1 | 104.5 | 105.4 | 106.5 | 107.9 | 110.1 | 112.5 | 112.5 | 109.1 | 109.6 | 109.1 | 106.8 | | | 168.7 | | | | | |
| PNDP | | 109.3 | 114.7 | 115.8 | 116.6 | 117.4 | 118.6 | 120.5 | 122.4 | 124.5 | 124.4 | 120.6 | 118.7 | 116.5 | 113.3 | | | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM., DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| REV. ALPHA 12/73 | | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 59.1 | 59.6 | 62.5 | 64.5 | 67.2 | 67.9 | 69.7 | 71.0 | 73.3 | 74.9 | 73.0 | 77.4 | 79.1 | 73.6 | | | |
| SIDELINE 2400 FT. | | 63 | 58.6 | 62.2 | 65.0 | 65.5 | 67.5 | 68.5 | 71.3 | 72.1 | 73.9 | 74.6 | 74.9 | 79.7 | 77.9 | 71.4 | | | |
| (731.52 M) | | 80 | 60.0 | 63.2 | 65.6 | 65.7 | 67.4 | 68.1 | 71.1 | 72.2 | 74.4 | 74.2 | 75.8 | 78.3 | 77.1 | 72.0 | | | |
| NFA 0. RPM | | 100 | 60.0 | 63.3 | 65.7 | 67.6 | 68.9 | 69.3 | 71.1 | 73.7 | 74.7 | 76.9 | 77.7 | 77.7 | 74.3 | 69.9 | | | |
| (0. RAD/SEC) | | 125 | 61.0 | 62.4 | 65.9 | 66.7 | 68.8 | 69.7 | 71.5 | 72.8 | 74.4 | 76.6 | 76.4 | 75.7 | 71.8 | 64.6 | | | |
| NFK C. RPM | | 160 | 60.2 | 63.3 | 65.6 | 67.0 | 68.7 | 70.1 | 73.4 | 72.8 | 74.4 | 75.8 | 76.9 | 76.1 | 69.4 | 62.3 | | | |
| (0. RAD/SEC) | | 200 | 59.2 | 63.1 | 65.3 | 66.8 | 68.6 | 70.5 | 72.2 | 73.5 | 74.4 | 75.0 | 75.5 | 73.6 | 68.3 | 60.7 | | | |
| NFD C. RPM | | 250 | 60.7 | 63.0 | 65.2 | 68.8 | 70.4 | 71.0 | 71.8 | 72.9 | 74.1 | 74.7 | 74.3 | 72.9 | 67.0 | 59.5 | | | |
| (0. RAD/SEC) | | 315 | 59.2 | 63.9 | 66.4 | 67.6 | 69.0 | 70.6 | 72.5 | 72.8 | 74.4 | 75.2 | 73.1 | 71.5 | 64.8 | 58.1 | | | |
| AIRFLOW RATIO | | 400 | 58.1 | 63.8 | 66.5 | 68.5 | 69.7 | 71.7 | 71.8 | 73.5 | 75.4 | 76.1 | 71.9 | 70.3 | 64.7 | 57.1 | | | |
| WF/WM 8.00 | | 500 | 56.6 | 63.3 | 65.8 | 68.0 | 69.7 | 70.8 | 72.8 | 74.5 | 77.3 | 76.8 | 71.4 | 68.2 | 62.7 | 55.8 | | | |
| | | 630 | 56.5 | 63.5 | 66.6 | 68.5 | 70.3 | 72.4 | 74.0 | 75.8 | 78.6 | 77.9 | 71.0 | 68.8 | 62.0 | 54.8 | | | |
| | | 800 | 57.4 | 67.6 | 71.3 | 71.9 | 73.6 | 74.7 | 75.3 | 77.2 | 79.8 | 78.9 | 71.1 | 68.5 | 63.2 | 54.3 | | | |
| VEHICLE JENOTS | | 1000 | 55.5 | 64.3 | 67.7 | 70.8 | 73.1 | 74.7 | 75.8 | 77.8 | 80.6 | 79.4 | 71.4 | 67.0 | 60.7 | 52.1 | | | |
| CCNFIG JE 057 | | 1250 | 55.4 | 66.0 | 69.4 | 71.9 | 74.0 | 75.0 | 76.6 | 79.7 | 81.9 | 80.3 | 72.3 | 66.8 | 60.3 | 51.0 | | | |
| LOC EVENDALE | | 1600 | 54.3 | 66.1 | 70.1 | 71.8 | 73.9 | 75.6 | 77.1 | 79.2 | 81.2 | 79.8 | 72.1 | 66.1 | 59.0 | 47.6 | | | |
| DATE 04-30-75 | | 2000 | 53.8 | 62.8 | 67.4 | 69.9 | 72.4 | 74.7 | 76.3 | 78.6 | 79.8 | 77.9 | 70.6 | 64.3 | 56.1 | 43.0 | | | |
| RUN DBTF-MODEL 5 | | 2500 | 44.8 | 57.5 | 62.1 | 66.1 | 68.5 | 70.5 | 73.2 | 74.7 | 75.7 | 73.6 | 67.3 | 59.9 | 50.7 | 34.9 | | | |
| TAPE X50100 | | 3150 | 36.0 | 51.0 | 56.8 | 61.2 | 63.3 | 66.1 | 67.9 | 69.3 | 70.0 | 67.2 | 60.3 | 52.7 | 42.2 | 22.8 | | | |
| FAN TIP SPEED | | 4000 | 21.7 | 38.6 | 46.1 | 51.4 | 53.9 | 57.5 | 59.7 | 60.5 | 59.8 | 58.4 | 50.2 | 41.1 | 28.5 | 3.0 | | | |
| FT/SEC | | 5000 | 11.5 | 30.7 | 38.2 | 44.3 | 47.6 | 49.3 | 52.2 | 53.4 | 54.1 | 51.0 | 41.1 | 30.8 | 17.7 | | | | |
| | | 6300 | | 11.7 | 22.2 | 29.5 | 33.4 | 36.8 | 40.0 | 41.5 | 41.6 | 38.3 | 25.6 | 14.0 | | | | | |
| | | 8000 | | | | 10.0 | 15.3 | 19.5 | 24.3 | 25.8 | 25.4 | 21.5 | 5.2 | | | | | | |
| | | 10000 | | | | | | | 6.0 | 6.5 | 3.1 | 1.6 | | | | | | | |
| OVERALL CALCULATED | | | 70.8 | 76.3 | 79.6 | 81.4 | 83.3 | 84.8 | 86.3 | 88.2 | 90.2 | 89.6 | 86.5 | 86.6 | 84.3 | 78.5 | | | |
| PNDB | | | 74.8 | 84.2 | 88.0 | 90.3 | 92.5 | 94.5 | 96.2 | 98.1 | 99.6 | 98.4 | 92.7 | 88.9 | 82.9 | 75.1 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. PWL | | |
|--------------------|------------------|--|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|--------------|---------|-------|
| SPL INPUT AT STD | REV. ALPHA 12/73 | FREQ. | 30. (0.52) | 40. (0.70) | 50. (0.87) | 60. (1.05) | 70. (1.22) | 80. (1.40) | 90. (1.57) | 100. (1.75) | 110. (1.92) | 120. (2.09) | 130. (2.27) | 140. (2.44) | 150. (2.62) | 160. (2.79) | 0. (0.) | 0. (0.) | 0. (0.) | PWL |
| NO EGA | | 50 | 81.7 | 78.2 | 80.1 | 82.7 | 84.2 | 83.7 | 85.8 | 87.8 | 90.1 | 91.8 | 90.8 | 96.5 | 99.2 | 97.9 | | | | 150.4 |
| REG. NO. 0. | | 63 | 79.1 | 79.8 | 80.6 | 79.8 | 80.2 | 81.6 | 83.7 | 84.7 | 87.2 | 88.7 | 91.2 | 98.1 | 99.8 | 97.3 | | | | 150.4 |
| RADIAL 320. FT. | | 90 | 80.1 | 80.4 | 80.7 | 79.7 | 80.7 | 80.5 | 83.3 | 84.9 | 87.4 | 87.9 | 91.2 | 95.8 | 98.1 | 99.3 | | | | 149.6 |
| (98. 4) | | 125 | 80.8 | 79.4 | 81.5 | 80.9 | 81.5 | 82.9 | 83.9 | 85.1 | 87.1 | 90.1 | 91.7 | 94.2 | 93.4 | 91.4 | | | | 149.2 |
| VEHICLE JENOTS | | 160 | 78.7 | 79.2 | 80.4 | 81.3 | 81.7 | 82.2 | 85.2 | 85.2 | 87.2 | 89.4 | 92.3 | 94.7 | 90.9 | 88.4 | | | | 147.4 |
| CONFIG JENOTS | | 200 | 78.5 | 80.2 | 81.2 | 81.2 | 82.1 | 83.0 | 84.0 | 85.5 | 86.8 | 89.0 | 90.8 | 91.7 | 89.4 | 85.5 | | | | 147.1 |
| LCC EVENDALE | | 250 | 80.6 | 79.3 | 80.0 | 82.1 | 82.2 | 83.1 | 83.5 | 84.8 | 86.7 | 87.9 | 89.9 | 90.2 | 87.1 | 83.8 | | | | 145.8 |
| DATE 04-30-75 | | 315 | 79.0 | 80.5 | 81.5 | 80.4 | 81.6 | 82.7 | 83.2 | 85.1 | 87.0 | 87.8 | 88.0 | 88.4 | 83.6 | 81.2 | | | | 145.0 |
| RUN DBTF-MODEL 5 | | 400 | 78.3 | 80.6 | 81.7 | 82.2 | 82.1 | 82.0 | 83.5 | 85.1 | 86.5 | 88.6 | 97.6 | 87.1 | 83.3 | 80.6 | | | | 144.1 |
| TAPE X50110 | | 500 | 76.4 | 80.1 | 81.9 | 82.2 | 82.6 | 82.3 | 83.6 | 85.1 | 87.5 | 89.3 | 87.5 | 85.0 | 81.5 | 79.2 | | | | 144.1 |
| BAR 29.3 HG | | 630 | 77.6 | 80.7 | 82.0 | 82.5 | 82.4 | 83.5 | 84.7 | 85.9 | 89.0 | 91.6 | 89.9 | 86.8 | 81.7 | 80.0 | | | | 144.2 |
| (98807. N/42) | | 800 | 77.4 | 82.0 | 83.4 | 84.0 | 84.3 | 84.6 | 85.0 | 85.9 | 87.0 | 89.7 | 91.8 | 91.3 | 87.8 | 83.2 | | | | 145.8 |
| TAMB 68. DEG F | | 1000 | 77.6 | 81.9 | 82.9 | 84.2 | 84.2 | 85.0 | 85.9 | 87.6 | 90.4 | 91.6 | 90.6 | 86.6 | 82.8 | 80.8 | | | | 146.7 |
| (293. DEG K) | | 1250 | 77.2 | 82.6 | 84.4 | 84.2 | 84.4 | 84.8 | 85.9 | 88.0 | 90.8 | 93.1 | 90.1 | 85.2 | 82.9 | 81.0 | | | | 146.8 |
| TWET 61. DEG F | | 1600 | 76.5 | 83.1 | 84.2 | 84.1 | 84.3 | 85.8 | 86.6 | 88.2 | 90.4 | 91.2 | 89.6 | 84.8 | 82.3 | 80.7 | | | | 147.4 |
| (289. DEG K) | | 2000 | 74.5 | 84.3 | 82.5 | 81.6 | 82.8 | 84.0 | 85.1 | 86.9 | 88.9 | 89.6 | 87.0 | 83.0 | 80.8 | 78.9 | | | | 147.0 |
| HACT 0. GM/H3 | | 2500 | 70.6 | 77.9 | 78.8 | 78.4 | 78.6 | 80.3 | 82.0 | 84.2 | 86.4 | 87.1 | 83.8 | 78.8 | 77.3 | 75.1 | | | | 145.8 |
| (. KG/H3) | | 3150 | 66.6 | 73.5 | 74.3 | 74.9 | 74.9 | 77.4 | 79.0 | 81.0 | 83.3 | 83.4 | 79.3 | 75.2 | 74.3 | 72.5 | | | | 142.9 |
| FREQ. SHIFT | | 4000 | 61.3 | 67.9 | 68.4 | 69.6 | 68.9 | 72.5 | 75.0 | 77.0 | 77.9 | 78.8 | 75.7 | 70.6 | 71.9 | 69.6 | | | | 139.9 |
| JFT 9 | | 5000 | 57.2 | 63.2 | 63.9 | 64.7 | 64.6 | 65.9 | 69.8 | 71.5 | 73.3 | 74.4 | 70.1 | 66.5 | 71.2 | 70.2 | | | | 136.1 |
| DIA METER RATIO | | 6300 | 55.0 | 57.5 | 58.2 | 58.8 | 58.9 | 60.0 | 66.3 | 67.2 | 67.5 | 71.9 | 65.9 | 65.8 | 73.4 | 72.0 | | | | 131.8 |
| DF/DM 8.00 | | 8000 | 56.7 | 54.9 | 54.8 | 56.0 | 58.1 | 57.6 | 66.1 | 67.4 | 64.6 | 73.0 | 64.8 | 67.5 | 76.0 | 75.0 | | | | 130.3 |
| OVERALL CALCULATED | | 10000 | 58.5 | 55.4 | 54.9 | 55.7 | 59.4 | 58.8 | 68.8 | 69.3 | 65.2 | 75.5 | 66.5 | 70.0 | 78.5 | 76.7 | | | | 133.2 |
| PND8 | | | 91.2 | 93.3 | 94.4 | 94.7 | 95.2 | 95.9 | 97.2 | 98.8 | 101.1 | 102.8 | 102.9 | 104.9 | 105.5 | 104.5 | | | | 138.1 |
| | | | 98.2 | 102.7 | 103.9 | 103.9 | 104.4 | 105.5 | 107.1 | 108.8 | 110.8 | 112.2 | 110.6 | 108.6 | 107.6 | 106.5 | | | | 159.8 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|
| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| | 50 | 57.8 | 56.6 | 60.0 | 63.7 | 65.9 | 65.9 | 68.2 | 70.0 | 71.8 | 72.9 | 70.7 | 74.9 | 75.4 | 70.6 | | | | |
| NO EGA | 63 | 55.1 | 58.2 | 60.5 | 60.8 | 62.0 | 63.8 | 66.0 | 66.9 | 68.9 | 69.7 | 71.1 | 76.5 | 75.9 | 69.9 | | | | |
| SIDELINE 2400 FT. | 80 | 56.0 | 58.7 | 60.6 | 60.7 | 62.4 | 62.6 | 65.6 | 67.0 | 69.1 | 68.9 | 71.1 | 74.1 | 74.1 | 71.7 | | | | |
| (731.52 M) | 100 | 55.8 | 59.1 | 60.2 | 62.1 | 63.4 | 63.3 | 65.1 | 67.4 | 69.2 | 71.6 | 73.2 | 74.2 | 72.3 | 68.7 | | | | |
| NFA | 125 | 56.5 | 57.4 | 61.2 | 61.7 | 63.1 | 64.9 | 66.0 | 67.1 | 68.7 | 70.9 | 71.4 | 72.2 | 69.0 | 63.4 | | | | |
| (0. RAD/SEC) | 160 | 54.2 | 57.1 | 59.9 | 62.0 | 63.2 | 64.1 | 67.2 | 67.1 | 68.6 | 70.1 | 71.9 | 72.6 | 66.4 | 60.1 | | | | |
| NFK | 200 | 53.7 | 57.9 | 60.5 | 61.8 | 63.4 | 64.7 | 65.9 | 67.2 | 68.1 | 69.5 | 70.2 | 69.4 | 64.6 | 56.7 | | | | |
| (0. RAD/SEC) | 250 | 55.4 | 56.7 | 59.2 | 62.5 | 63.4 | 64.7 | 65.3 | 66.4 | 67.9 | 68.2 | 69.1 | 67.7 | 62.0 | 54.5 | | | | |
| NFD | 315 | 53.5 | 57.6 | 60.4 | 60.6 | 62.5 | 64.1 | 64.7 | 66.5 | 68.0 | 67.9 | 66.9 | 65.5 | 58.1 | 51.4 | | | | |
| (0. RAD/SEC) | 400 | 52.2 | 57.3 | 60.3 | 62.0 | 62.7 | 63.2 | 64.8 | 66.2 | 67.2 | 68.4 | 66.2 | 63.8 | 57.2 | 49.9 | | | | |
| AIRFLOW RATIO | 500 | 49.6 | 56.3 | 60.1 | 61.7 | 62.9 | 63.1 | 64.5 | 66.0 | 67.8 | 68.8 | 65.6 | 61.0 | 54.7 | 47.5 | | | | |
| WF/WH 8.00 | 630 | 50.0 | 56.2 | 59.6 | 61.5 | 62.4 | 63.9 | 65.3 | 66.4 | 68.9 | 70.7 | 67.5 | 62.3 | 54.0 | 47.0 | | | | |
| | 800 | 48.6 | 56.6 | 60.3 | 62.4 | 63.6 | 64.5 | 65.1 | 66.9 | 69.0 | 70.2 | 68.2 | 62.5 | 54.5 | 46.3 | | | | |
| VEHICLE JENOTS | 1000 | 47.5 | 55.6 | 59.0 | 61.8 | 62.8 | 64.2 | 65.3 | 66.8 | 69.1 | 69.2 | 66.6 | 60.3 | 52.7 | 44.1 | | | | |
| CONFIG JE*057 | 1250 | 45.4 | 55.0 | 59.4 | 60.9 | 62.2 | 63.3 | 64.6 | 66.4 | 68.7 | 69.8 | 65.1 | 57.5 | 51.1 | 41.8 | | | | |
| LCC EVENDALE | 1600 | 42.3 | 53.6 | 57.6 | 59.5 | 60.9 | 63.1 | 64.1 | 65.5 | 67.0 | 66.6 | 63.1 | 55.3 | 48.0 | 37.8 | | | | |
| DATE 04-30-75 | 2000 | 37.4 | 49.6 | 54.2 | 55.4 | 57.9 | 60.0 | 61.3 | 62.8 | 64.1 | 63.4 | 58.6 | 51.3 | 43.6 | 31.7 | | | | |
| RUN DBTF-MODEL 5 | 2500 | 29.3 | 43.0 | 47.8 | 49.9 | 51.7 | 54.3 | 56.2 | 58.2 | 59.4 | 58.6 | 52.8 | 43.9 | 36.0 | 21.7 | | | | |
| TAPE X50110 | 3150 | 18.5 | 33.5 | 39.0 | 42.7 | 44.6 | 48.1 | 50.1 | 51.8 | 53.0 | 51.2 | 44.1 | 35.2 | 26.2 | 9.0 | | | | |
| FAN TIP SPEED | 4000 | 3.2 | 20.2 | 26.9 | 31.9 | 33.6 | 38.5 | 41.5 | 43.0 | 42.6 | 41.2 | 34.2 | 22.9 | 13.8 | | | | | |
| FT/SEC | 5000 | | 11.0 | 18.7 | 23.8 | 26.3 | 29.1 | 33.5 | 34.7 | 35.1 | 33.5 | 24.8 | 14.3 | 7.2 | | | | | |
| | 6300 | | | 2.2 | 8.5 | 12.1 | 15.1 | 22.0 | 22.3 | 20.7 | 21.6 | 9.8 | 0.5 | | | | | | |
| | 8000 | | | | | | 0.2 | 6.5 | 10.0 | 4.6 | 8.3 | | | | | | | | |
| OVERALL CALCULATED | 10000 | 65.8 | 69.2 | 72.1 | 73.8 | 75.2 | 76.2 | 77.8 | 79.2 | 80.9 | 82.0 | 81.5 | 82.8 | 81.3 | 76.8 | | | | |
| PNOB | | 66.6 | 73.6 | 77.4 | 79.3 | 80.8 | 82.6 | 84.0 | 85.4 | 87.0 | 87.3 | 84.8 | 82.3 | 77.5 | 71.1 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PWL |
|--------------------------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 82.4 | 79.7 | 81.3 | 83.4 | 84.7 | 84.7 | 86.6 | 88.6 | 90.8 | 93.3 | 92.3 | 98.3 | 102.2 | 100.9 | | | | 152.6 |
| | 63 | 82.3 | 82.3 | 83.1 | 82.5 | 83.5 | 84.6 | 87.2 | 88.0 | 90.2 | 91.7 | 94.2 | 100.6 | 102.3 | 99.3 | | | | 152.9 |
| RDG. NO. 0. | 80 | 82.3 | 82.9 | 83.9 | 82.2 | 83.9 | 83.5 | 86.6 | 87.9 | 90.7 | 91.4 | 94.2 | 99.1 | 100.9 | 103.5 | | | | 152.3 |
| RADIAL 320. FT. | 100 | 82.5 | 82.9 | 83.6 | 84.3 | 85.0 | 84.5 | 86.4 | 89.1 | 90.3 | 94.0 | 96.0 | 98.3 | 98.0 | 97.5 | | | | 151.5 |
| (98. 4) | 125 | 82.8 | 81.6 | 83.0 | 83.7 | 84.8 | 85.2 | 86.9 | 88.1 | 90.1 | 92.8 | 94.5 | 95.9 | 94.4 | 91.9 | | | | 149.5 |
| VEHICLE JENOTS | 160 | 82.0 | 82.2 | 83.6 | 84.0 | 84.9 | 85.4 | 88.4 | 88.2 | 89.9 | 92.1 | 94.1 | 96.2 | 91.7 | 88.4 | | | | 149.2 |
| CONFIG JEW57 | 200 | 81.5 | 83.2 | 83.9 | 84.0 | 84.8 | 85.7 | 87.8 | 88.5 | 89.3 | 91.0 | 93.3 | 93.7 | 89.6 | 86.2 | | | | 148.1 |
| LCC EVENDALE | 250 | 83.1 | 83.1 | 83.5 | 85.6 | 86.2 | 86.3 | 87.0 | 88.3 | 89.2 | 90.9 | 91.4 | 92.0 | 88.6 | 85.5 | | | | 147.5 |
| DATE 04-30-75 | 315 | 82.3 | 84.0 | 85.2 | 84.7 | 85.3 | 86.2 | 87.2 | 88.1 | 90.3 | 90.8 | 90.7 | 90.2 | 86.4 | 83.5 | | | | 147.2 |
| RUN EBTFF-MODEL 5 | 400 | 82.0 | 84.4 | 86.2 | 86.7 | 87.3 | 87.0 | 88.2 | 88.8 | 90.5 | 92.6 | 89.9 | 89.1 | 86.0 | 84.8 | | | | 147.9 |
| TAPE X50130 | 500 | 81.4 | 84.6 | 86.2 | 87.0 | 87.1 | 88.0 | 88.8 | 90.6 | 93.5 | 94.1 | 89.7 | 88.2 | 85.2 | 82.9 | | | | 149.0 |
| BAR 29.3 HG | 630 | 81.6 | 85.7 | 87.0 | 88.0 | 88.2 | 89.0 | 90.4 | 92.7 | 96.5 | 97.4 | 91.1 | 89.3 | 85.9 | 84.2 | | | | 151.3 |
| (98807. N/42) | 800 | 83.1 | 88.7 | 90.1 | 91.2 | 92.0 | 92.1 | 92.3 | 94.0 | 98.2 | 100.3 | 93.5 | 90.8 | 88.2 | 86.0 | | | | 153.8 |
| TAMB 68. DEG F | 1000 | 83.6 | 87.9 | 88.4 | 90.7 | 91.7 | 92.7 | 93.6 | 96.3 | 99.7 | 102.1 | 94.8 | 91.1 | 88.5 | 86.3 | | | | 155.2 |
| (293. DEG K) | 1250 | 84.4 | 89.9 | 90.4 | 91.7 | 93.2 | 94.1 | 94.9 | 97.7 | 101.6 | 103.4 | 96.3 | 92.4 | 89.9 | 87.5 | | | | 156.8 |
| TWET 61. DEG F | 1600 | 85.3 | 90.8 | 91.7 | 91.6 | 93.3 | 95.3 | 96.1 | 98.7 | 101.4 | 104.2 | 98.1 | 94.1 | 90.8 | 88.2 | | | | 157.6 |
| (289. DEG K) | 2000 | 85.5 | 91.5 | 92.5 | 92.6 | 94.0 | 95.0 | 96.1 | 98.1 | 101.2 | 102.6 | 97.7 | 93.8 | 91.8 | 89.9 | | | | 157.3 |
| HACT 0. GM/H3 | 2500 | 84.3 | 91.4 | 92.8 | 92.6 | 92.4 | 92.3 | 94.5 | 96.7 | 99.6 | 100.1 | 96.0 | 92.5 | 90.8 | 87.9 | | | | 155.9 |
| (1 KG/H3) | 3150 | 80.8 | 86.5 | 88.3 | 89.4 | 88.9 | 90.1 | 91.8 | 93.8 | 96.0 | 96.8 | 92.5 | 88.9 | 86.8 | 83.3 | | | | 153.0 |
| FREQ. SHIFT | 4000 | 76.1 | 81.9 | 83.4 | 84.6 | 84.4 | 86.7 | 88.5 | 90.0 | 91.6 | 93.6 | 88.0 | 83.9 | 81.9 | 77.3 | | | | 149.8 |
| JET 9 | 5000 | 72.0 | 78.2 | 79.7 | 81.0 | 81.6 | 82.1 | 84.1 | 85.7 | 88.1 | 89.1 | 82.8 | 78.2 | 77.4 | 73.9 | | | | 146.1 |
| DIAMETER RATIO | 6300 | 66.5 | 72.5 | 73.7 | 75.8 | 75.4 | 77.2 | 79.0 | 81.5 | 83.7 | 86.1 | 78.6 | 76.1 | 75.7 | 73.3 | | | | 143.2 |
| DF/DH 8.00 | 8000 | 61.7 | 67.9 | 69.1 | 70.5 | 71.1 | 71.6 | 74.1 | 76.6 | 79.9 | 84.8 | 75.8 | 76.3 | 76.5 | 75.3 | | | | 142.6 |
| | 10000 | 59.5 | 66.1 | 65.7 | 67.2 | 69.9 | 69.5 | 71.3 | 73.3 | 77.7 | 86.0 | 76.8 | 79.5 | 79.0 | 77.2 | | | | 145.8 |
| OVERALL CALCULATED | | 95.9 | 99.8 | 100.9 | 101.5 | 102.4 | 103.2 | 104.5 | 106.6 | 109.5 | 111.4 | 107.2 | 107.8 | 108.2 | 106.6 | | | | 166.3 |
| PND8 | | 106.9 | 112.3 | 113.6 | 113.9 | 114.2 | 115.0 | 116.5 | 118.6 | 121.3 | 122.8 | 118.4 | 116.2 | 114.5 | 111.9 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. ALPHA 12/73 FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 58.6 | 58.1 | 61.3 | 64.5 | 66.4 | 66.9 | 68.9 | 70.8 | 72.6 | 74.4 | 72.2 | 76.7 | 78.4 | 73.6 | | |
| SIDELINE 2400. FT. | 63 | 58.4 | 60.7 | 63.0 | 63.5 | 65.2 | 66.8 | 69.5 | 70.1 | 71.9 | 72.7 | 74.1 | 79.0 | 78.4 | 71.9 | | |
| (731.52 M) | 80 | 58.3 | 61.2 | 63.8 | 63.2 | 65.7 | 65.6 | 68.9 | 70.0 | 72.4 | 72.4 | 74.1 | 77.3 | 76.9 | 73.0 | | |
| NFA C. RPM | 100 | 58.3 | 61.1 | 63.4 | 65.1 | 66.6 | 66.6 | 68.6 | 71.2 | 71.9 | 74.9 | 75.7 | 76.4 | 73.8 | 69.7 | | |
| (0. RAD/SEC) | 125 | 58.5 | 59.7 | 62.7 | 64.5 | 66.3 | 67.2 | 69.0 | 70.1 | 71.7 | 73.7 | 74.1 | 73.9 | 70.0 | 63.9 | | |
| NFK C. RPM | 160 | 57.4 | 60.1 | 63.1 | 64.7 | 65.9 | 67.3 | 70.4 | 70.1 | 71.4 | 72.8 | 73.6 | 74.1 | 67.1 | 60.1 | | |
| (0. RAD/SEC) | 200 | 56.7 | 61.9 | 63.3 | 64.5 | 66.1 | 67.5 | 69.7 | 70.2 | 70.6 | 71.5 | 72.7 | 71.4 | 64.8 | 57.5 | | |
| NFD C. RPM | 250 | 57.9 | 60.5 | 62.7 | 66.0 | 67.4 | 68.0 | 68.8 | 69.9 | 70.4 | 71.2 | 70.6 | 69.4 | 63.5 | 56.3 | | |
| (0. RAD/SEC) | 315 | 56.7 | 61.1 | 64.1 | 64.8 | 66.3 | 67.6 | 68.7 | 69.5 | 71.2 | 70.9 | 69.6 | 67.3 | 60.8 | 53.6 | | |
| AIRFLOW RATIO | 430 | 55.9 | 61.1 | 64.8 | 66.5 | 68.0 | 68.2 | 69.5 | 70.0 | 71.2 | 72.4 | 68.4 | 65.8 | 59.9 | 54.2 | | |
| WF/WM 8.00 | 520 | 54.6 | 60.8 | 64.3 | 66.5 | 67.4 | 68.8 | 69.8 | 71.5 | 73.6 | 73.6 | 67.9 | 64.4 | 58.5 | 51.3 | | |
| | 630 | 54.0 | 61.2 | 64.6 | 67.0 | 68.1 | 69.4 | 71.0 | 73.1 | 76.4 | 76.4 | 68.7 | 64.8 | 58.3 | 51.3 | | |
| | 800 | 54.4 | 63.4 | 67.0 | 69.6 | 71.4 | 72.0 | 72.4 | 73.9 | 77.5 | 78.7 | 70.4 | 65.5 | 59.5 | 51.3 | | |
| VEHICLE JENOTS | 1000 | 53.5 | 61.6 | 64.5 | 68.3 | 70.3 | 72.0 | 73.1 | 75.6 | 78.3 | 79.7 | 70.9 | 65.8 | 58.4 | 49.6 | | |
| CCNFIG JE*257 | 1250 | 52.6 | 62.2 | 65.4 | 68.4 | 71.0 | 72.5 | 73.6 | 76.2 | 79.4 | 80.1 | 71.3 | 64.8 | 58.1 | 48.3 | | |
| LOC EVENDALE | 1600 | 51.1 | 61.3 | 65.1 | 67.0 | 69.9 | 72.6 | 73.6 | 76.0 | 78.0 | 79.6 | 71.6 | 64.6 | 56.5 | 45.3 | | |
| DATE 04-30-75 | 2000 | 48.4 | 59.8 | 64.2 | 66.4 | 69.2 | 71.0 | 72.3 | 74.1 | 76.3 | 76.4 | 69.4 | 62.1 | 54.6 | 42.7 | | |
| RUN DBTF-MODEL 5 | 2500 | 43.0 | 56.5 | 61.8 | 64.1 | 65.5 | 66.3 | 68.7 | 70.7 | 72.7 | 71.6 | 65.0 | 57.6 | 49.5 | 34.4 | | |
| TAPE X55130 | 3150 | 32.8 | 46.5 | 53.0 | 57.2 | 58.6 | 60.9 | 62.9 | 64.6 | 65.8 | 64.7 | 57.3 | 48.9 | 38.7 | 19.8 | | |
| FAN TIP SPEED | 4000 | 17.9 | 34.2 | 41.9 | 46.9 | 49.1 | 52.7 | 55.0 | 56.0 | 56.3 | 55.9 | 46.4 | 36.1 | 23.8 | | | |
| FT/SEC | 5000 | 8.0 | 26.0 | 34.5 | 40.1 | 43.3 | 45.3 | 47.8 | 49.0 | 49.9 | 48.2 | 37.6 | 26.1 | 13.4 | | | |
| | 6300 | | 7.2 | 17.7 | 25.5 | 28.6 | 32.4 | 34.7 | 36.6 | 36.9 | 35.8 | 22.6 | 10.8 | | | | |
| | 8000 | | | | 5.8 | 11.1 | 14.2 | 17.5 | 21.3 | 19.9 | 20.0 | 3.2 | | | | | |
| OVERALL CALCULATED | 10000 | | | | | | | | 4.6 | | 1.1 | | | | | | |
| PNOB | | 68.7 | 73.4 | 76.6 | 78.8 | 80.6 | 81.9 | 83.4 | 85.1 | 87.4 | 88.3 | 84.4 | 85.1 | 83.7 | 78.6 | | |
| | | 72.0 | 80.6 | 84.7 | 87.1 | 89.4 | 91.0 | 92.5 | 94.2 | 96.3 | 97.1 | 90.9 | 86.5 | 81.1 | 73.9 | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0. 0. 0. PWL' | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|--------|--------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) |
| NO EGA | | 90 | 85.7 | 83.7 | 84.8 | 86.7 | 87.9 | 87.7 | 89.3 | 91.1 | 94.1 | 96.6 | 95.5 | 102.3 | 106.2 | 104.6 | | | | | 156.3 |
| REG. NO. 9. | | 63 | 85.8 | 86.6 | 87.6 | 86.8 | 88.0 | 89.1 | 91.5 | 92.5 | 94.4 | 96.2 | 99.0 | 104.6 | 105.6 | 103.1 | | | | | 156.8 |
| RADIAL 326. FT. | | 80 | 85.8 | 87.2 | 87.9 | 86.7 | 88.2 | 88.0 | 90.8 | 92.1 | 95.4 | 95.7 | 99.2 | 102.8 | 104.9 | 104.3 | | | | | 156.3 |
| (96.4) | | 150 | 86.5 | 86.9 | 88.1 | 88.8 | 89.3 | 89.3 | 91.2 | 93.9 | 96.0 | 99.0 | 100.7 | 102.8 | 102.5 | 101.0 | | | | | 156.1 |
| VEHICLE JENOTS | | 125 | 87.3 | 85.9 | 88.5 | 88.1 | 88.8 | 89.7 | 91.4 | 93.1 | 95.6 | 98.1 | 99.7 | 102.2 | 99.6 | 95.4 | | | | | 154.4 |
| CONFIG JE 057 | | 160 | 86.0 | 87.2 | 87.6 | 88.8 | 88.7 | 89.9 | 92.7 | 92.9 | 95.2 | 97.9 | 99.8 | 100.0 | 96.4 | 92.9 | | | | | 154.0 |
| LCC EVENDALE | | 250 | 86.0 | 87.5 | 87.7 | 88.2 | 89.3 | 90.5 | 91.8 | 93.5 | 95.1 | 100.7 | 98.6 | 93.0 | 94.6 | 91.2 | | | | | 154.0 |
| DATE 04-30-75 | | 250 | 86.8 | 87.3 | 87.3 | 89.4 | 90.5 | 90.8 | 92.5 | 93.3 | 95.2 | 102.2 | 97.7 | 97.2 | 94.1 | 91.0 | | | | | 154.4 |
| RUN DBTF-MODEL 5 | | 315 | 86.0 | 87.5 | 88.2 | 87.7 | 89.3 | 90.2 | 91.2 | 93.1 | 95.5 | 102.9 | 96.0 | 96.4 | 93.1 | 89.7 | | | | | 154.4 |
| TAPE X50150 | | 450 | 85.3 | 88.1 | 88.5 | 89.7 | 90.3 | 90.8 | 91.7 | 94.1 | 96.0 | 102.7 | 95.4 | 95.8 | 93.0 | 90.6 | | | | | 154.4 |
| BAR 29.3 HG | | 500 | 84.9 | 87.1 | 88.4 | 89.7 | 91.6 | 91.5 | 93.1 | 94.6 | 98.0 | 100.6 | 94.7 | 94.0 | 92.0 | 89.4 | | | | | 153.9 |
| (98.07. N/42) | | 630 | 84.9 | 88.2 | 89.5 | 90.0 | 91.4 | 92.2 | 93.9 | 96.2 | 100.0 | 98.4 | 94.9 | 94.3 | 92.4 | 89.2 | | | | | 154.3 |
| YAMB 68. DEG F | | 800 | 85.1 | 90.0 | 91.1 | 92.7 | 94.0 | 94.6 | 95.8 | 98.0 | 101.2 | 95.1 | 94.8 | 94.6 | 92.0 | 89.0 | | | | | 155.2 |
| (293. DEG K) | | 1020 | 86.4 | 90.9 | 92.2 | 93.2 | 94.9 | 96.0 | 96.9 | 99.8 | 102.7 | 90.1 | 95.3 | 94.4 | 92.5 | 89.5 | | | | | 156.3 |
| TWET 61. DEG F | | 1250 | 88.4 | 93.1 | 94.7 | 95.2 | 96.9 | 97.1 | 98.4 | 101.7 | 104.6 | 87.4 | 96.6 | 94.7 | 93.1 | 90.5 | | | | | 158.1 |
| (289. DEG K) | | 1600 | 89.0 | 94.3 | 95.4 | 96.4 | 97.8 | 98.8 | 100.1 | 103.2 | 105.4 | 85.4 | 98.1 | 95.8 | 93.5 | 90.4 | | | | | 152.4 |
| HACT 0. GH/H3 | | 2000 | 88.2 | 93.5 | 94.3 | 95.6 | 98.0 | 99.0 | 101.4 | 104.4 | 105.4 | 86.0 | 99.2 | 96.3 | 93.5 | 89.6 | | | | | 160.1 |
| (, KG/H3) | | 2500 | 87.6 | 92.1 | 93.6 | 94.9 | 96.6 | 97.3 | 99.7 | 102.0 | 103.6 | | 98.3 | 94.8 | 92.1 | 87.9 | | | | | 158.6 |
| FREQ. SHIFT | | 3150 | 85.4 | 90.5 | 92.3 | 93.9 | 94.4 | 95.6 | 97.8 | 99.5 | 100.5 | | 94.8 | 92.7 | 89.8 | 85.5 | | | | | 156.7 |
| JET 9 | | 4000 | 81.1 | 85.9 | 87.4 | 89.9 | 90.2 | 92.0 | 93.8 | 96.0 | 96.4 | | 91.7 | 88.4 | 86.2 | 80.3 | | | | | 153.5 |
| DIAMETER RATIO | | 5000 | 77.2 | 81.9 | 83.4 | 85.5 | 86.3 | 87.4 | 89.3 | 91.7 | 93.3 | | 86.1 | 83.5 | 81.7 | 76.4 | | | | | 149.8 |
| DF/DM 8.00 | | 6300 | 71.8 | 76.2 | 77.7 | 80.3 | 80.4 | 83.0 | 85.3 | 87.7 | 89.2 | | 81.4 | 79.6 | 77.9 | 74.3 | | | | | 146.8 |
| OVERALL CALCULATED | | 8000 | 68.7 | 70.9 | 73.1 | 75.0 | 75.8 | 79.1 | 81.6 | 84.4 | 86.4 | | 77.8 | 78.5 | 78.0 | 75.5 | | | | | 145.4 |
| PNDB | | 10000 | 68.5 | 66.9 | 67.9 | 69.4 | 71.7 | 79.0 | 80.3 | 81.8 | 82.2 | | 76.8 | 80.0 | 79.8 | 77.5 | | | | | 145.9 |
| | | | 99.4 | 102.7 | 103.9 | 104.9 | 106.3 | 107.1 | 108.9 | 111.4 | 113.5 | 110.9 | 110.6 | 111.8 | 112.2 | 110.3 | | | | | 159.4 |
| | | | 116.6 | 114.5 | 115.8 | 117.0 | 118.4 | 119.4 | 121.4 | 123.8 | 125.5 | 114.9 | 121.1 | 119.5 | 117.5 | 114.0 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 61.8 | 62.1 | 64.8 | 67.7 | 69.7 | 69.9 | 71.7 | 73.3 | 75.8 | 77.6 | 75.5 | 80.7 | 82.4 | 77.3 | | | |
| SIDELINE 2400 FT. | | 63 | 61.9 | 64.9 | 67.5 | 67.8 | 69.7 | 71.3 | 73.8 | 74.6 | 76.2 | 77.2 | 78.9 | 83.0 | 81.6 | 75.6 | | | |
| (731.52 M) | | 80 | 61.8 | 65.5 | 67.8 | 67.7 | 69.9 | 70.1 | 73.1 | 74.2 | 77.1 | 76.7 | 79.1 | 81.1 | 80.9 | 76.7 | | | |
| NFA 3. RPM | | 100 | 62.3 | 65.1 | 67.9 | 69.6 | 70.9 | 71.3 | 73.4 | 75.9 | 77.7 | 79.9 | 80.5 | 80.9 | 78.3 | 73.2 | | | |
| (0. RAD/SEC) | | 125 | 63.0 | 63.9 | 68.2 | 69.0 | 70.3 | 71.7 | 73.5 | 75.1 | 77.2 | 78.9 | 79.4 | 78.2 | 75.3 | 67.4 | | | |
| NFK 5. RPM | | 160 | 61.4 | 65.1 | 67.1 | 69.5 | 70.2 | 71.8 | 74.7 | 74.8 | 76.6 | 78.6 | 79.4 | 77.9 | 71.9 | 64.6 | | | |
| (0. RAD/SEC) | | 200 | 61.2 | 65.1 | 67.0 | 68.8 | 70.6 | 72.2 | 73.7 | 75.2 | 76.4 | 81.2 | 78.0 | 75.6 | 69.8 | 62.5 | | | |
| NFD 9. RPM | | 250 | 61.7 | 64.7 | 66.4 | 69.8 | 71.6 | 72.5 | 73.8 | 74.9 | 76.4 | 82.5 | 76.8 | 74.7 | 69.0 | 61.8 | | | |
| (0. RAD/SEC) | | 315 | 62.5 | 64.6 | 67.1 | 67.8 | 70.3 | 71.6 | 72.7 | 74.5 | 76.5 | 83.0 | 74.9 | 73.5 | 67.6 | 59.9 | | | |
| AIRFLOW RATIO | | 400 | 59.2 | 64.8 | 67.0 | 69.5 | 71.0 | 71.9 | 73.0 | 75.2 | 76.7 | 82.5 | 73.9 | 72.5 | 66.9 | 59.9 | | | |
| WF/M 8.00 | | 500 | 58.1 | 63.3 | 66.6 | 69.2 | 70.9 | 72.3 | 74.0 | 75.5 | 78.3 | 80.0 | 72.9 | 70.2 | 65.2 | 57.8 | | | |
| | | 630 | 57.3 | 63.7 | 67.1 | 69.0 | 71.4 | 72.7 | 74.5 | 76.6 | 79.9 | 77.4 | 72.5 | 69.8 | 64.8 | 56.3 | | | |
| | | 800 | 56.4 | 64.6 | 68.0 | 71.1 | 73.4 | 74.5 | 75.9 | 77.9 | 80.5 | 73.5 | 71.7 | 69.3 | 63.2 | 54.3 | | | |
| VEHICLE JENOTS | | 1000 | 56.3 | 64.6 | 68.2 | 70.8 | 73.6 | 75.2 | 76.3 | 79.1 | 81.3 | 67.8 | 71.4 | 68.0 | 62.4 | 52.9 | | | |
| CONFIG JE-357 | | 1250 | 56.6 | 65.5 | 69.6 | 71.9 | 74.7 | 75.5 | 77.1 | 80.2 | 82.4 | 64.1 | 71.6 | 67.0 | 61.3 | 51.3 | | | |
| LCC EVENDALE | | 1600 | 54.8 | 64.8 | 68.9 | 71.8 | 74.4 | 76.1 | 77.6 | 80.5 | 82.0 | 60.7 | 71.6 | 66.3 | 59.3 | 47.6 | | | |
| DATE 04-30-75 | | 2000 | 51.1 | 61.8 | 65.9 | 69.4 | 73.2 | 75.0 | 77.6 | 80.3 | 80.6 | 59.8 | 70.9 | 64.6 | 56.4 | 42.5 | | | |
| RLN DBTF-MODEL 5 | | 2500 | 46.3 | 57.2 | 62.6 | 66.4 | 69.7 | 71.3 | 73.9 | 76.0 | 76.7 | | 67.3 | 59.9 | 50.8 | 34.4 | | | |
| TAPE X5J150 | | 3150 | 37.3 | 50.5 | 57.0 | 61.7 | 64.1 | 66.4 | 68.9 | 70.3 | 70.3 | | 59.6 | 52.7 | 41.7 | 22.0 | | | |
| FAN TIP SPEED | | 4000 | 22.9 | 38.2 | 45.9 | 52.2 | 54.9 | 58.0 | 60.2 | 62.0 | 61.1 | | 50.2 | 40.6 | 28.0 | 1.7 | | | |
| FT/SEC | | 5000 | 13.2 | 29.8 | 38.2 | 44.6 | 48.1 | 50.6 | 53.0 | 55.0 | 55.1 | | 40.8 | 31.3 | 17.7 | | | | |
| | | 6300 | | 10.9 | 21.7 | 30.0 | 33.6 | 38.1 | 41.8 | 42.8 | 42.4 | | 25.3 | 14.3 | | | | | |
| | | 8000 | | | 0.5 | 10.3 | 15.9 | 21.7 | 25.0 | 27.0 | 26.4 | | 5.2 | | | | | | |
| OVERALL CALCULATED | | 10000 | | | | | 4.3 | 6.7 | 7.1 | 3.9 | | | | | | | | | |
| PNDB | | | 72.4 | 76.8 | 79.9 | 82.1 | 84.3 | 85.6 | 87.4 | 89.6 | 91.4 | 91.7 | 88.8 | 89.3 | 87.8 | 82.4 | | | |
| | | | 75.8 | 83.8 | 87.7 | 90.6 | 93.4 | 95.1 | 97.3 | 99.6 | 100.7 | 94.2 | 93.8 | 90.6 | 86.1 | 78.3 | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE = MONTH 41 DAY 0 HR 06
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 259, DEG F, 70 PERCENT REL, NQA, DAY = JENRTS

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | RHL | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|
| SRL INPUT AT STD | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | | |
| REV, ALPHA 12/73 | | FREQ, (6.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | | |
| NO EGA | | 50 | 81.9 | 79.5 | 85.8 | 83.4 | 85.2 | 84.5 | 87.1 | 89.8 | 93.1 | 93.8 | 93.0 | 98.5 | 101.5 | 101.1 | 101.1 | 852.6 | |
| RDG, NO, 0 | | 63 | 82.3 | 82.3 | 83.1 | 81.8 | 82.0 | 83.1 | 85.5 | 86.7 | 88.4 | 90.4 | 93.0 | 99.4 | 102.1 | 99.8 | 99.8 | 132.2 | |
| RADIAL 320, FT | | 80 | 83.4 | 82.7 | 82.7 | 82.2 | 83.2 | 83.0 | 85.1 | 86.9 | 89.4 | 90.9 | 94.4 | 98.3 | 100.6 | 101.5 | 101.5 | 152.1 | |
| (98, M) | | 100 | 82.0 | 82.7 | 82.4 | 82.8 | 83.3 | 83.3 | 84.9 | 87.6 | 89.3 | 92.5 | 95.7 | 97.5 | 98.5 | 100.0 | 100.0 | 151.3 | |
| VEHICLE JENOTS | | 125 | 83.3 | 80.9 | 82.5 | 82.4 | 83.3 | 84.2 | 86.4 | 87.6 | 89.8 | 92.6 | 94.5 | 95.4 | 97.1 | 95.7 | 95.7 | 149.9 | |
| CONFIG JE-050 | | 160 | 80.7 | 81.4 | 81.9 | 82.5 | 83.2 | 84.2 | 85.7 | 87.2 | 88.9 | 91.6 | 94.8 | 96.0 | 95.2 | 92.4 | 92.4 | 149.3 | |
| LQC EVENDALE | | 200 | 79.8 | 81.5 | 82.4 | 82.8 | 83.3 | 84.8 | 86.0 | 87.5 | 88.9 | 91.0 | 94.4 | 94.0 | 91.6 | 89.5 | 89.5 | 148.2 | |
| DATE 04-29-75 | | 250 | 81.4 | 81.1 | 81.8 | 83.4 | 84.2 | 85.1 | 86.6 | 87.8 | 89.9 | 92.2 | 91.8 | 89.4 | 87.8 | 87.8 | 87.8 | 146.8 | |
| RUN DBTF=MODEL 5 | | 315 | 79.1 | 81.1 | 82.5 | 82.9 | 83.7 | 84.2 | 86.2 | 86.1 | 90.1 | 90.0 | 90.0 | 87.0 | 84.8 | 84.8 | 84.8 | 145.8 | |
| TAPE X50160 | | 400 | 79.1 | 81.2 | 83.1 | 84.1 | 83.9 | 84.9 | 86.5 | 88.1 | 90.5 | 89.5 | 88.2 | 85.4 | 84.0 | 84.0 | 84.0 | 145.7 | |
| BAR 29.5 HG | | 500 | 76.8 | 80.1 | 82.6 | 83.5 | 83.0 | 83.5 | 84.5 | 87.1 | 88.2 | 90.8 | 89.0 | 86.0 | 82.7 | 80.9 | 80.9 | 145.4 | |
| (99617, N/M2) | | 630 | 77.7 | 80.7 | 83.0 | 84.0 | 83.7 | 84.5 | 85.7 | 87.5 | 89.8 | 93.2 | 90.4 | 87.1 | 83.2 | 81.5 | 81.5 | 146.9 | |
| TAMB 69, DEG F | | 800 | 77.3 | 81.6 | 84.8 | 85.7 | 85.0 | 86.3 | 86.5 | 88.2 | 91.1 | 94.0 | 92.2 | 87.5 | 84.7 | 82.7 | 82.7 | 148.1 | |
| (294, DEG K) | | 1000 | 76.8 | 81.6 | 83.8 | 85.3 | 85.6 | 86.1 | 86.8 | 89.0 | 91.8 | 94.2 | 92.5 | 87.0 | 84.2 | 82.7 | 82.7 | 148.4 | |
| THET 53, DEG F | | 1250 | 76.4 | 82.1 | 85.1 | 85.6 | 85.6 | 86.5 | 86.6 | 89.4 | 91.3 | 94.3 | 91.8 | 85.9 | 84.1 | 81.9 | 81.9 | 148.3 | |
| (205, DEG K) | | 1600 | 74.9 | 80.7 | 84.6 | 84.8 | 85.4 | 85.9 | 87.2 | 88.8 | 91.0 | 92.9 | 90.5 | 85.2 | 83.2 | 81.1 | 81.1 | 147.8 | |
| HAGT 0, GM/M3 | | 2000 | 73.3 | 80.6 | 83.1 | 82.9 | 83.9 | 84.9 | 86.0 | 88.0 | 89.8 | 90.7 | 88.8 | 83.4 | 81.6 | 79.7 | 79.7 | 146.5 | |
| (1, KG/M3) | | 2500 | 69.5 | 78.8 | 79.5 | 80.3 | 80.6 | 81.1 | 83.7 | 85.7 | 87.8 | 88.3 | 85.5 | 80.2 | 78.5 | 76.8 | 76.8 | 144.2 | |
| FREQ, SHIFT | | 3150 | 66.5 | 73.2 | 76.5 | 76.8 | 76.6 | 78.6 | 81.0 | 83.0 | 84.8 | 86.1 | 82.0 | 77.7 | 76.8 | 74.2 | 74.2 | 141.9 | |
| JET 9 | | 4000 | 63.4 | 69.0 | 72.0 | 73.0 | 72.3 | 75.6 | 77.9 | 79.6 | 81.0 | 83.5 | 79.6 | 75.2 | 75.0 | 72.2 | 72.2 | 139.5 | |
| DIAMETER RATIO | | 5000 | 63.5 | 67.4 | 69.2 | 70.5 | 69.8 | 71.1 | 74.1 | 76.0 | 77.1 | 80.6 | 76.1 | 74.2 | 74.9 | 72.9 | 72.9 | 138.9 | |
| DF/DH 8.00 | | 6300 | 64.4 | 68.9 | 69.6 | 67.9 | 67.8 | 68.4 | 71.1 | 73.3 | 73.6 | 81.5 | 75.2 | 76.7 | 76.8 | 75.1 | 75.1 | 137.6 | |
| OVERALL CALCULATED | | 8000 | 66.0 | 67.7 | 69.1 | 68.1 | 68.6 | 68.1 | 70.4 | 71.9 | 70.6 | 83.5 | 76.4 | 78.6 | 79.3 | 77.3 | 77.3 | 136.9 | |
| PNDB | | 10000 | 68.3 | 67.9 | 66.5 | 68.7 | 70.2 | 69.6 | 71.6 | 72.3 | 68.8 | 85.8 | 78.6 | 80.6 | 81.6 | 78.8 | 78.8 | 135.4 | |
| | | | 92.5 | 98.8 | 95.9 | 96.2 | 96.6 | 97.2 | 98.5 | 100.4 | 102.3 | 104.8 | 105.1 | 104.5 | 107.9 | 107.4 | 107.4 | 861.8 | |
| | | | 98.2 | 105.2 | 105.4 | 105.7 | 106.2 | 107.1 | 108.5 | 110.4 | 112.1 | 114.6 | 112.9 | 110.3 | 109.9 | 109.1 | 109.1 | | |

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 OF POOR QUALITY

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAZ) | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
| SRL INPUT AT STD | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 130 | 140 | 150 | 160 | 180 | 0 | 0 |
| RPV, ALPHA 12/73 | | FREQ, (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) |
| NO EGA | | 50 | 58.1 | 57.9 | 65.8 | 64.5 | 66.7 | 69.4 | 72.0 | 72.8 | 74.9 | 73.0 | 76.9 | 77.6 | 73.8 | | |
| SIDELINE 24001 FT. | | 63 | 58.4 | 60.7 | 63.0 | 62.8 | 63.7 | 65.3 | 67.8 | 68.9 | 70.2 | 71.5 | 72.9 | 77.7 | 78.1 | 72.4 | |
| (731.52 M) | | 80 | 59.5 | 61.0 | 62.6 | 63.2 | 64.9 | 65.1 | 67.4 | 69.0 | 71.1 | 71.9 | 74.3 | 76.6 | 76.6 | 74.0 | |
| NEA | | 100 | 57.9 | 60.8 | 62.2 | 63.6 | 64.9 | 65.3 | 67.1 | 69.7 | 70.9 | 73.4 | 75.5 | 75.7 | 74.3 | 72.2 | |
| 0: RPM | | 125 | 59.0 | 58.9 | 62.2 | 63.2 | 64.8 | 66.2 | 68.5 | 69.6 | 71.2 | 73.4 | 74.1 | 73.5 | 72.8 | 67.7 | |
| 0: RAD/SEC | | 160 | 56.2 | 59.3 | 61.4 | 63.2 | 64.7 | 66.1 | 67.7 | 69.1 | 70.4 | 72.3 | 74.4 | 73.9 | 70.6 | 64.1 | |
| NRK | | 200 | 55.0 | 59.2 | 61.8 | 63.3 | 64.6 | 66.5 | 67.9 | 69.3 | 70.2 | 71.6 | 73.7 | 71.7 | 66.8 | 60.7 | |
| 0: RAD/SEC | | 250 | 56.2 | 58.5 | 61.0 | 63.8 | 65.4 | 66.7 | 68.8 | 69.2 | 70.3 | 71.4 | 73.2 | 69.2 | 64.2 | 58.6 | |
| NRD | | 315 | 53.5 | 58.2 | 61.4 | 62.6 | 63.8 | 65.1 | 65.8 | 67.6 | 69.0 | 70.3 | 68.9 | 67.1 | 61.4 | 54.9 | |
| 0: RPM | | 400 | 53.0 | 57.9 | 61.7 | 63.9 | 64.6 | 65.1 | 66.2 | 67.6 | 68.8 | 70.3 | 68.1 | 64.9 | 59.3 | 53.3 | |
| 0: RAD/SEC | | 500 | 50.1 | 58.3 | 60.8 | 63.0 | 63.4 | 64.3 | 65.5 | 67.9 | 68.5 | 70.3 | 67.1 | 62.1 | 55.9 | 49.2 | |
| AIRFLOW RATIO | | 630 | 50.1 | 58.2 | 60.7 | 63.0 | 63.6 | 64.9 | 66.3 | 67.9 | 69.7 | 72.2 | 68.0 | 62.6 | 55.6 | 48.6 | |
| WF/WM 8.00 | | 800 | 48.6 | 58.3 | 61.7 | 64.1 | 64.3 | 66.2 | 66.5 | 68.1 | 70.5 | 72.4 | 69.1 | 62.2 | 55.9 | 48.0 | |
| VEHICLE JENOTS | | 1000 | 46.7 | 58.2 | 59.9 | 62.9 | 64.2 | 65.4 | 66.2 | 68.2 | 70.0 | 71.8 | 68.5 | 60.7 | 54.1 | 46.0 | |
| CONFIG JE-058 | | 1250 | 44.4 | 58.4 | 60.1 | 62.4 | 63.4 | 64.9 | 65.3 | 67.9 | 69.3 | 71.0 | 66.7 | 58.2 | 52.3 | 42.7 | |
| LOG EVENDALE | | 1600 | 40.7 | 58.2 | 58.0 | 60.2 | 62.0 | 63.2 | 64.7 | 66.1 | 67.6 | 68.2 | 64.0 | 55.7 | 48.9 | 38.2 | |
| DATE 04-29-75 | | 2000 | 36.2 | 48.9 | 54.8 | 56.7 | 59.0 | 60.8 | 62.2 | 63.9 | 64.9 | 64.5 | 60.5 | 51.7 | 44.5 | 32.6 | |
| RUN DBTF-MODEL 5 | | 2500 | 28.2 | 48.9 | 48.5 | 51.9 | 53.7 | 55.0 | 57.9 | 59.7 | 60.9 | 59.8 | 54.5 | 45.3 | 37.2 | 23.4 | |
| TARE X50160 | | 3150 | 18.5 | 33.2 | 41.3 | 44.7 | 46.3 | 49.4 | 52.1 | 53.8 | 54.2 | 53.9 | 46.8 | 37.6 | 28.7 | 10.7 | |
| FAN YIR SPEED | | 4000 | 5.3 | 21.3 | 30.5 | 35.3 | 37.0 | 41.6 | 44.4 | 45.6 | 45.7 | 45.8 | 38.1 | 27.5 | 16.9 | | |
| FT/SEC | | 5000 | | 18.3 | 24.0 | 29.6 | 31.6 | 34.3 | 37.8 | 39.2 | 38.9 | 39.7 | 30.8 | 22.1 | 10.9 | | |
| | | 6300 | | 1.6 | 10.6 | 17.6 | 21.0 | 23.5 | 26.9 | 28.4 | 28.8 | 31.2 | 19.2 | 11.4 | | | |
| | | 8000 | | | | 3.3 | 8.7 | 10.8 | 13.8 | 14.6 | 10.7 | 18.8 | 3.8 | | | | |
| | | 10000 | | | | | | | | | | 0.9 | | | | | |
| OVERALL CALCULATED | | | 87.5 | 78.3 | 73.9 | 75.3 | 76.6 | 77.7 | 79.2 | 80.9 | 82.3 | 84.0 | 83.8 | 84.4 | 83.7 | 79.7 | |
| PNQB | | | 87.4 | 78.4 | 78.5 | 80.7 | 82.2 | 83.6 | 85.2 | 86.8 | 88.2 | 89.3 | 86.8 | 83.7 | 80.0 | 74.8 | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE MONTH DAY 199, DEC, F, 70 PERCENT REL, HQM, DAY : JENQTS

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | 0, 10, 20, 30 | | | | RHL | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|---------------|--|--|--|-----|--|--|--|
| SRL INPUT AT STD | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | | | | | | | | | | | | |
| REV, ALPHA 12/73 | | FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | | | | | | | | | | | | |
| NO EGA | | 80 | 84.2 | 82.5 | 80.8 | 84.9 | 86.2 | 86.5 | 88.3 | 91.8 | 92.6 | 95.3 | 95.5 | 101.0 | 106.0 | 105.1 | | | | | | | | | | | | | |
| RPG, NO, D | | 63 | 84.3 | 88.6 | 86.3 | 84.8 | 85.9 | 86.6 | 88.5 | 90.0 | 91.9 | 93.9 | 96.2 | 102.4 | 105.3 | 102.6 | | | | | | | | | | | | | |
| RADIAL 320, FT | | 80 | 84.8 | 82.2 | 85.7 | 84.7 | 86.2 | 85.7 | 88.8 | 90.1 | 92.7 | 94.4 | 97.4 | 101.8 | 103.9 | 101.0 | | | | | | | | | | | | | |
| (98, M) | | 100 | 84.5 | 85.4 | 85.9 | 86.8 | 87.0 | 86.5 | 88.2 | 90.9 | 92.8 | 96.3 | 99.0 | 100.3 | 100.9 | 100.7 | | | | | | | | | | | | | |
| VEHICLE JENQTS | | 125 | 85.3 | 83.6 | 85.5 | 85.7 | 86.5 | 87.4 | 88.9 | 90.3 | 92.4 | 96.1 | 97.2 | 97.7 | 97.1 | 95.7 | | | | | | | | | | | | | |
| CONFIG JE-058 | | 160 | 83.7 | 85.4 | 84.9 | 85.3 | 86.2 | 86.7 | 88.7 | 90.4 | 92.7 | 95.1 | 97.3 | 97.7 | 94.7 | 91.9 | | | | | | | | | | | | | |
| LQC EVENDALE | | 200 | 82.6 | 84.2 | 85.2 | 85.8 | 86.3 | 87.9 | 88.8 | 90.3 | 92.6 | 94.3 | 96.4 | 95.0 | 92.6 | 89.0 | | | | | | | | | | | | | |
| DATE 04-29-73 | | 250 | 84.1 | 83.6 | 84.1 | 87.2 | 87.9 | 87.9 | 88.1 | 89.6 | 91.0 | 92.9 | 94.9 | 93.8 | 91.1 | 88.6 | | | | | | | | | | | | | |
| RUN DBTF=MODEL 5 | | 315 | 82.8 | 83.6 | 85.0 | 86.3 | 86.9 | 87.7 | 88.0 | 90.2 | 90.8 | 92.9 | 93.0 | 92.5 | 88.7 | 86.0 | | | | | | | | | | | | | |
| TAPE X50180 | | 400 | 82.4 | 83.7 | 86.9 | 88.3 | 88.4 | 88.2 | 88.9 | 90.7 | 92.1 | 93.5 | 91.8 | 91.0 | 88.2 | 85.7 | | | | | | | | | | | | | |
| BAR 29.5 HG | | 500 | 80.3 | 83.1 | 86.1 | 88.2 | 88.3 | 88.7 | 89.3 | 91.6 | 92.7 | 94.3 | 91.7 | 89.0 | 86.9 | 84.7 | | | | | | | | | | | | | |
| (99617, N/M2) | | 630 | 80.9 | 83.9 | 87.3 | 88.3 | 89.0 | 89.8 | 90.7 | 93.5 | 94.8 | 96.9 | 91.6 | 89.3 | 87.2 | 85.0 | | | | | | | | | | | | | |
| TAMR 69, DEG F | | 800 | 85.1 | 89.4 | 92.1 | 93.4 | 93.7 | 93.8 | 93.7 | 95.4 | 96.9 | 100.0 | 94.2 | 91.3 | 89.9 | 88.2 | | | | | | | | | | | | | |
| (294, DEG K) | | 1000 | 81.5 | 85.8 | 88.8 | 91.3 | 92.1 | 93.4 | 94.0 | 97.2 | 99.6 | 101.7 | 94.7 | 90.8 | 89.2 | 86.4 | | | | | | | | | | | | | |
| THET 53, DEG F | | 1250 | 82.6 | 87.8 | 90.6 | 92.6 | 93.6 | 94.0 | 95.4 | 98.2 | 102.8 | 103.5 | 96.3 | 91.6 | 90.1 | 87.9 | | | | | | | | | | | | | |
| (289, DEG K) | | 1600 | 83.7 | 89.5 | 92.8 | 93.5 | 94.4 | 95.2 | 96.7 | 99.6 | 101.8 | 103.9 | 97.8 | 92.7 | 91.4 | 88.8 | | | | | | | | | | | | | |
| HACT 0, GH/M3 | | 2000 | 83.3 | 89.6 | 93.9 | 93.7 | 94.6 | 95.4 | 96.5 | 99.5 | 102.5 | 102.7 | 96.8 | 92.9 | 91.4 | 89.0 | | | | | | | | | | | | | |
| (, KG/M3) | | 2500 | 80.5 | 82.1 | 91.3 | 92.8 | 92.9 | 92.6 | 95.4 | 97.2 | 99.8 | 100.3 | 95.5 | 91.2 | 89.5 | 86.6 | | | | | | | | | | | | | |
| FREQ, SHIFT | | 3150 | 77.8 | 84.7 | 88.0 | 89.6 | 89.4 | 90.6 | 93.0 | 94.8 | 96.8 | 98.1 | 92.5 | 89.2 | 86.8 | 84.0 | | | | | | | | | | | | | |
| JET | | 4000 | 73.9 | 82.0 | 84.5 | 85.7 | 85.8 | 87.9 | 89.7 | 91.4 | 92.5 | 95.0 | 88.6 | 84.7 | 83.0 | 78.9 | | | | | | | | | | | | | |
| BIAMETER RATIO | | 5000 | 71.0 | 78.2 | 81.7 | 83.7 | 83.3 | 84.6 | 86.3 | 87.5 | 89.3 | 90.9 | 84.6 | 80.2 | 79.9 | 77.2 | | | | | | | | | | | | | |
| DE/DH 8.00 | | 6300 | 68.7 | 78.9 | 77.9 | 79.9 | 79.6 | 81.9 | 83.4 | 85.1 | 86.3 | 89.2 | 81.2 | 78.9 | 79.0 | 75.9 | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 8000 | 68.0 | 71.5 | 74.1 | 76.3 | 75.9 | 79.4 | 81.9 | 83.4 | 83.9 | 87.5 | 79.1 | 79.6 | 79.8 | 77.8 | | | | | | | | | | | | | |
| PNDB | | 10000 | 68.8 | 69.4 | 70.0 | 72.5 | 73.0 | 80.4 | 81.9 | 82.8 | 82.0 | 88.5 | 79.3 | 81.8 | 81.8 | 79.3 | | | | | | | | | | | | | |
| | | | 96.1 | 99.0 | 101.9 | 102.8 | 103.3 | 104.0 | 105.3 | 107.7 | 108.1 | 111.8 | 108.6 | 109.5 | 111.1 | 109.4 | | | | | | | | | | | | | |
| | | | 165.7 | 118.9 | 139.9 | 139.0 | 139.2 | 136.0 | 127.7 | 129.8 | 128.9 | 123.4 | 128.9 | 126.4 | 125.2 | 122.7 | | | | | | | | | | | | | |

849

ORIGINAL PAGE IS
OF POOR QUALITY

5

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, F, 70 PERCENT REL, HUM, DAY) | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
| SRL INPUT AT STD | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 170, | 180, |
| REV, ALPHA 12/73 | | FREQ, (0.22) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) |
| NO EGA | | 50 | 80.3 | 60.9 | 68.8 | 66.0 | 67.9 | 68.7 | 70.7 | 74.0 | 74.3 | 76.4 | 75.5 | 79.4 | 82.1 | 77.8 | |
| SIDELINE 2400, FY, | | 63 | 80.4 | 68.9 | 66.2 | 65.8 | 67.2 | 68.8 | 70.8 | 72.1 | 73.7 | 75.0 | 76.1 | 80.7 | 81.4 | 75.1 | |
| (731.52 M) | | 80 | 80.8 | 68.5 | 65.6 | 65.7 | 67.9 | 67.9 | 71.1 | 72.2 | 74.4 | 75.4 | 77.3 | 80.1 | 79.9 | 73.5 | |
| NRA 0: RPM | | 100 | 80.3 | 68.6 | 65.7 | 67.6 | 68.6 | 68.6 | 70.4 | 72.9 | 74.4 | 77.1 | 78.7 | 78.4 | 76.3 | 72.9 | |
| (0: RAD/SEC) | | 125 | 81.0 | 68.7 | 65.2 | 66.5 | 68.3 | 69.4 | 71.0 | 72.3 | 73.9 | 76.9 | 76.9 | 75.7 | 72.8 | 67.7 | |
| NRK 0: RPM | | 160 | 59.2 | 62.3 | 64.4 | 66.0 | 67.7 | 68.6 | 70.7 | 72.3 | 73.1 | 75.8 | 76.9 | 75.6 | 70.1 | 63.6 | |
| (0: RAD/SEC) | | 200 | 57.8 | 62.9 | 64.5 | 66.3 | 67.6 | 69.3 | 70.7 | 72.0 | 72.9 | 74.8 | 75.7 | 72.7 | 67.8 | 60.2 | |
| NRD 0: RPM | | 250 | 59.0 | 62.0 | 63.2 | 67.6 | 68.7 | 69.5 | 69.8 | 71.2 | 72.2 | 73.3 | 74.1 | 71.2 | 66.0 | 59.3 | |
| (0: RAD/SEC) | | 315 | 57.3 | 62.7 | 64.9 | 66.4 | 67.8 | 69.1 | 69.9 | 71.6 | 72.8 | 73.0 | 71.9 | 69.6 | 63.1 | 56.2 | |
| AIRFLOW RATIO | | 400 | 56.3 | 62.4 | 65.4 | 68.1 | 69.1 | 69.3 | 70.2 | 71.9 | 72.8 | 73.3 | 70.3 | 67.7 | 62.1 | 55.0 | |
| WF/HM 8.00 | | 500 | 53.6 | 60.3 | 64.3 | 67.7 | 68.6 | 69.6 | 70.3 | 72.4 | 74.0 | 73.8 | 69.9 | 65.1 | 59.7 | 53.0 | |
| | | 630 | 53.3 | 59.5 | 64.9 | 67.3 | 68.9 | 70.2 | 71.3 | 73.9 | 78.7 | 75.9 | 69.3 | 64.8 | 59.6 | 52.1 | |
| | | 800 | 56.3 | 62.1 | 69.0 | 71.8 | 73.0 | 73.7 | 73.8 | 75.3 | 78.2 | 78.4 | 71.1 | 65.9 | 61.1 | 53.5 | |
| VEHICLE JENOTS | | 1000 | 51.4 | 59.5 | 64.9 | 68.9 | 70.7 | 72.6 | 73.5 | 76.5 | 78.2 | 79.3 | 70.8 | 64.4 | 59.1 | 49.8 | |
| CONFIG JE-058 | | 1250 | 50.8 | 60.2 | 65.6 | 69.4 | 71.4 | 72.4 | 74.0 | 76.6 | 79.6 | 80.2 | 71.2 | 64.0 | 58.3 | 48.7 | |
| LOC EVENDALE | | 1600 | 49.4 | 68.0 | 64.3 | 68.9 | 71.0 | 72.5 | 74.2 | 76.9 | 78.4 | 79.2 | 71.2 | 63.2 | 57.2 | 48.0 | |
| DATE 04-29-75 | | 2000 | 46.2 | 51.9 | 65.5 | 67.5 | 69.8 | 71.3 | 72.7 | 75.4 | 78.7 | 76.5 | 68.5 | 61.2 | 54.2 | 41.8 | |
| RUN DBTP=MODEL | | 2500 | 39.2 | 52.2 | 60.3 | 64.4 | 65.9 | 66.5 | 69.7 | 71.2 | 72.9 | 71.8 | 64.3 | 56.3 | 48.2 | 33.2 | |
| TAPE X50180 | | 3150 | 29.7 | 44.7 | 52.8 | 57.4 | 59.1 | 61.4 | 64.1 | 65.5 | 68.5 | 65.9 | 57.3 | 49.1 | 38.7 | 20.5 | |
| FAN TIP SPEED | | 4000 | 25.8 | 38.3 | 43.0 | 48.1 | 50.5 | 53.9 | 56.1 | 57.4 | 57.2 | 57.3 | 47.1 | 37.0 | 24.9 | 0.4 | |
| FT/SEC | | 5000 | 7.0 | 28.0 | 39.5 | 42.8 | 45.1 | 47.8 | 50.0 | 50.7 | 51.1 | 50.0 | 39.3 | 28.1 | 15.9 | | |
| | | 6300 | | 9.6 | 21.8 | 29.6 | 32.8 | 37.0 | 39.1 | 40.2 | 39.5 | 38.9 | 25.2 | 13.7 | | | |
| | | 8000 | | | 1.5 | 11.6 | 15.9 | 22.0 | 25.3 | 26.1 | 23.9 | 22.8 | 6.5 | | | | |
| OVERALL CALCULATED | | 10000 | | | | | 5.4 | 8.3 | 8.1 | 8.1 | 2.7 | 3.6 | | | | | |
| PNQB | | | 70.1 | 78.0 | 78.2 | 80.3 | 81.8 | 82.9 | 84.2 | 86.4 | 88.2 | 89.1 | 86.7 | 87.1 | 86.9 | 81.6 | |
| | | | 71.8 | 79.7 | 85.8 | 88.4 | 90.3 | 91.7 | 93.2 | 95.6 | 92.0 | 97.6 | 91.8 | 87.4 | 83.7 | 78.7 | |

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|-----|--|--|
| REV: ALPHA 12/73 | FREQ. | 39. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL | | | |
| | | (0.68) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| NO EGA | 50 | 88.2 | 86.2 | 86.8 | 88.2 | 89.9 | 89.7 | 91.8 | 94.1 | 96.1 | 99.1 | 99.0 | 115.8 | 110.2 | 117.1 | | | | 165.9 | | | |
| RDG. NO. 0. | 63 | 88.8 | 89.3 | 90.1 | 89.0 | 90.0 | 91.1 | 93.5 | 94.5 | 96.9 | 98.2 | 101.2 | 117.1 | 108.8 | 116.8 | | | | 166.4 | | | |
| RADIAL 320. FT. | 80 | 89.1 | 89.4 | 89.9 | 88.7 | 90.2 | 90.2 | 93.3 | 94.9 | 97.4 | 98.7 | 101.9 | 116.1 | 108.6 | 117.5 | | | | 166.1 | | | |
| (98. 4) | 100 | 89.0 | 89.7 | 90.1 | 90.5 | 91.5 | 91.0 | 93.4 | 96.1 | 98.0 | 101.0 | 103.2 | 115.8 | 105.2 | 114.5 | | | | 164.9 | | | |
| VEHICLE JENOTS | 125 | 89.8 | 88.6 | 90.5 | 90.1 | 90.8 | 91.7 | 93.7 | 95.3 | 97.6 | 101.1 | 102.7 | 112.9 | 102.4 | 109.2 | | | | 162.0 | | | |
| CONFIG JEW57 | 160 | 88.7 | 89.4 | 89.6 | 90.0 | 90.7 | 91.9 | 95.4 | 95.4 | 97.4 | 100.1 | 102.8 | 112.7 | 99.2 | 106.2 | | | | 161.5 | | | |
| LOC EVENDALE | 200 | 88.0 | 89.7 | 89.2 | 90.7 | 91.3 | 92.7 | 94.5 | 95.5 | 97.1 | 99.7 | 101.6 | 111.0 | 97.1 | 104.0 | | | | 160.0 | | | |
| DATE 4-30-75 | 250 | 89.6 | 89.1 | 88.8 | 91.6 | 92.0 | 92.6 | 93.5 | 95.6 | 97.2 | 98.9 | 100.4 | 110.2 | 97.1 | 103.3 | | | | 159.4 | | | |
| RUN DBTF-MODEL 5 | 315 | 88.0 | 89.0 | 90.0 | 89.7 | 90.8 | 91.9 | 93.9 | 95.6 | 97.8 | 99.1 | 98.7 | 108.9 | 96.1 | 102.2 | | | | 158.4 | | | |
| TAPE X5J200 | 400 | 87.5 | 89.4 | 89.5 | 90.9 | 91.8 | 92.5 | 93.7 | 95.6 | 97.5 | 98.3 | 98.6 | 108.1 | 96.0 | 103.8 | | | | 158.1 | | | |
| BAR 29.3 HG | 500 | 86.1 | 88.4 | 89.4 | 91.2 | 91.8 | 92.8 | 94.3 | 96.6 | 99.5 | 97.6 | 97.0 | 106.7 | 95.0 | 102.2 | | | | 157.4 | | | |
| (988C7. N/M2) | 630 | 86.6 | 88.4 | 89.8 | 92.0 | 92.7 | 93.5 | 95.2 | 97.7 | 102.0 | 98.4 | 96.6 | 107.5 | 95.4 | 101.5 | | | | 156.4 | | | |
| TAMB 68. DEG F | 800 | 86.4 | 90.0 | 91.4 | 93.2 | 94.5 | 95.6 | 96.3 | 99.0 | 102.2 | 98.6 | 96.8 | 107.1 | 96.0 | 101.2 | | | | 158.6 | | | |
| (293. DEG K) | 1000 | 86.9 | 91.2 | 92.4 | 94.7 | 95.9 | 96.5 | 97.9 | 100.6 | 103.4 | 99.6 | 96.6 | 105.9 | 94.8 | 101.0 | | | | 159.0 | | | |
| TWET 61. DEG F | 1250 | 88.2 | 91.9 | 93.9 | 96.0 | 97.2 | 97.8 | 99.4 | 102.5 | 105.3 | 101.1 | 96.8 | 105.4 | 94.6 | 101.5 | | | | 160.2 | | | |
| (289. DEG K) | 1600 | 88.0 | 93.1 | 94.7 | 96.6 | 98.3 | 99.8 | 101.6 | 103.7 | 106.1 | 102.5 | 98.6 | 106.3 | 94.3 | 100.9 | | | | 161.5 | | | |
| MACT 0. GM/M3 | 2000 | 87.5 | 92.5 | 94.3 | 96.3 | 98.8 | 100.0 | 101.9 | 104.4 | 106.2 | 103.1 | 98.7 | 106.8 | 94.3 | 100.1 | | | | 162.0 | | | |
| (KG/M3) | 2500 | 86.8 | 92.4 | 93.7 | 96.1 | 97.1 | 98.7 | 100.7 | 102.7 | 104.4 | 101.4 | 98.0 | 105.5 | 93.3 | 98.6 | | | | 160.8 | | | |
| FREQ. SHIFT | 3150 | 83.8 | 96.0 | 91.8 | 94.6 | 95.4 | 96.8 | 98.5 | 100.0 | 101.0 | 98.6 | 94.8 | 102.7 | 90.3 | 95.8 | | | | 158.7 | | | |
| JET 9 | 4000 | 79.1 | 85.6 | 87.4 | 90.4 | 91.7 | 93.0 | 94.8 | 96.5 | 97.4 | 95.1 | 91.5 | 99.1 | 86.9 | 90.8 | | | | 155.7 | | | |
| DIAMETER RATIO | 5000 | 75.5 | 81.2 | 83.4 | 86.0 | 86.8 | 87.9 | 90.1 | 92.2 | 94.6 | 90.6 | 86.3 | 93.2 | 82.2 | 87.2 | | | | 151.8 | | | |
| DF/DH 8.00 | 6300 | 70.8 | 75.7 | 77.7 | 80.3 | 81.9 | 83.2 | 86.0 | 88.2 | 90.5 | 87.4 | 81.9 | 89.3 | 78.7 | 84.5 | | | | 148.9 | | | |
| | 8000 | 68.2 | 70.9 | 72.8 | 75.5 | 78.8 | 80.1 | 82.1 | 85.1 | 87.4 | 85.5 | 77.8 | 86.0 | 78.2 | 85.5 | | | | 147.9 | | | |
| | 10000 | 68.8 | 67.1 | 67.7 | 70.7 | 78.9 | 79.0 | 80.3 | 82.5 | 83.0 | 86.5 | 77.3 | 87.0 | 79.5 | 87.2 | | | | 149.6 | | | |
| OVERALL CALCULATED | 100.8 | 103.1 | 104.2 | 106.0 | 107.2 | 108.3 | 110.1 | 112.3 | 114.5 | 112.9 | 112.7 | 124.5 | 115.5 | 123.3 | | | | | 174.9 | | | |
| PNDB | 110.7 | 114.8 | 115.9 | 118.2 | 119.3 | 120.5 | 122.5 | 124.6 | 126.5 | 124.3 | 121.9 | 130.8 | 119.3 | 125.7 | | | | | | | | |

851



☆ 10 dB TOO HIGH

ORIGINAL PAGE IS
OF FOUR QUARTERS

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM. DAY)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|--------------------|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
| REV. | ALPHA 12/73 | FREQ. | (3.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) |
| NO EGA | | 50 | 64.3 | 64.6 | 66.8 | 69.2 | 71.7 | 71.9 | 74.2 | 76.3 | 77.8 | 80.1 | 79.0 | 94.2 | 86.4 | 89.8 | (0.) | (0.) |
| SIDELINE 2400. FT. | | 63 | 64.9 | 67.7 | 70.0 | 70.0 | 71.7 | 73.3 | 75.8 | 76.6 | 78.7 | 79.2 | 81.1 | 95.5 | 84.9 | 89.4 | (0.) | (0.) |
| (731.52 M) | | 80 | 65.0 | 67.7 | 69.8 | 69.7 | 71.9 | 72.4 | 75.6 | 77.0 | 79.1 | 79.7 | 81.8 | 94.3 | 84.6 | 90.0 | (0.) | (0.) |
| NFA C. RPM | | 100 | 64.8 | 67.8 | 69.9 | 71.4 | 73.1 | 73.1 | 75.6 | 78.2 | 79.7 | 81.9 | 83.0 | 93.9 | 81.0 | 86.7 | (0.) | (0.) |
| (0. RAD/SEC) | | 125 | 65.5 | 66.7 | 70.2 | 71.0 | 72.3 | 73.7 | 75.8 | 77.3 | 79.2 | 81.9 | 82.4 | 90.9 | 78.0 | 81.1 | (0.) | (0.) |
| NFK C. RPM | | 160 | 64.2 | 67.3 | 69.1 | 70.7 | 72.2 | 73.8 | 77.4 | 77.3 | 78.8 | 80.8 | 82.4 | 90.6 | 74.6 | 77.8 | (0.) | (0.) |
| (0. RAD/SEC) | | 200 | 63.2 | 67.4 | 68.5 | 71.3 | 72.6 | 74.9 | 76.4 | 77.2 | 78.4 | 80.3 | 81.0 | 88.6 | 72.3 | 75.2 | (0.) | (0.) |
| NFD C. RPM | | 250 | 64.4 | 66.5 | 67.9 | 72.0 | 73.1 | 74.2 | 75.3 | 77.2 | 78.4 | 79.2 | 79.6 | 87.7 | 72.0 | 74.0 | (0.) | (0.) |
| (0. RAD/SEC) | | 315 | 62.5 | 66.1 | 68.9 | 69.8 | 71.8 | 73.3 | 75.5 | 77.0 | 78.7 | 79.2 | 77.6 | 86.0 | 70.6 | 72.4 | (0.) | (0.) |
| AIRFLOW RATIO | | 400 | 61.4 | 66.1 | 68.0 | 70.8 | 72.5 | 73.7 | 75.0 | 76.7 | 78.2 | 78.1 | 77.2 | 84.8 | 69.9 | 73.2 | (0.) | (0.) |
| WF/WH 8.00 | | 500 | 59.3 | 64.6 | 67.6 | 70.7 | 72.2 | 73.6 | 75.3 | 77.5 | 79.8 | 77.1 | 75.1 | 82.9 | 68.2 | 70.5 | (0.) | (0.) |
| | | 630 | 59.0 | 64.0 | 67.4 | 71.0 | 72.6 | 73.9 | 75.8 | 78.1 | 81.9 | 77.4 | 74.2 | 83.1 | 67.8 | 68.5 | (0.) | (0.) |
| VEHICLE JENOTS | | 800 | 57.6 | 64.6 | 68.3 | 71.6 | 73.9 | 75.3 | 76.4 | 78.9 | 81.5 | 76.9 | 73.7 | 81.8 | 67.2 | 66.6 | (0.) | (0.) |
| CONFIG JE*057 | | 1000 | 56.8 | 64.8 | 68.5 | 72.3 | 74.6 | 75.7 | 77.3 | 79.8 | 82.1 | 77.2 | 72.6 | 79.5 | 64.7 | 64.4 | (0.) | (0.) |
| LCC EVERDALE | | 1250 | 56.4 | 64.2 | 68.9 | 72.7 | 75.0 | 76.3 | 78.1 | 80.9 | 83.2 | 77.8 | 71.8 | 77.8 | 62.8 | 62.3 | (0.) | (0.) |
| DATE 04-30-75 | | 1600 | 53.8 | 63.6 | 68.1 | 72.0 | 74.9 | 77.1 | 79.1 | 81.0 | 82.7 | 77.9 | 72.1 | 76.8 | 60.0 | 58.1 | (0.) | (0.) |
| RLN DBTF-MODEL 5 | | 2000 | 50.4 | 60.8 | 65.9 | 70.1 | 73.9 | 76.0 | 78.1 | 80.3 | 81.3 | 76.9 | 70.4 | 75.1 | 57.1 | 53.0 | (0.) | (0.) |
| TAPE X50200 | | 2500 | 45.5 | 57.5 | 62.3 | 67.6 | 70.2 | 72.3 | 74.9 | 76.7 | 77.4 | 72.9 | 67.0 | 70.6 | 52.0 | 45.2 | (0.) | (0.) |
| FAN TIP SPEED | | 3150 | 35.8 | 50.0 | 56.5 | 62.4 | 65.1 | 67.4 | 69.6 | 70.8 | 70.8 | 66.4 | 59.6 | 62.7 | 42.2 | 32.3 | (0.) | (0.) |
| FT/SBC | | 4000 | 20.9 | 37.9 | 45.9 | 52.7 | 55.4 | 59.0 | 61.2 | 62.5 | 62.1 | 57.4 | 49.9 | 51.4 | 28.8 | 12.2 | (0.) | (0.) |
| | | 5000 | 11.5 | 29.0 | 38.2 | 45.1 | 48.6 | 51.1 | 53.8 | 55.5 | 56.4 | 49.7 | 41.1 | 41.1 | 18.2 | (0.) | (0.) | (0.) |
| | | 6300 | | 10.4 | 21.7 | 30.0 | 35.1 | 38.4 | 41.7 | 43.3 | 43.7 | 37.1 | 25.8 | 24.0 | (0.) | (0.) | (0.) | (0.) |
| | | 8000 | | | 0.2 | 10.8 | 18.9 | 22.7 | 25.5 | 27.8 | 27.4 | 20.8 | 5.2 | 0.6 | (0.) | (0.) | (0.) | (0.) |
| OVERALL CALCULATED | | 10000 | 74.7 | 78.3 | 81.0 | 83.5 | 85.6 | 87.0 | 89.0 | 90.9 | 92.8 | 91.6 | 91.4 | 102.2 | 91.2 | 95.6 | (0.) | (0.) |
| PNDB | | | 77.1 | 83.9 | 87.9 | 91.6 | 94.4 | 96.3 | 98.4 | 100.4 | 101.8 | 98.7 | 94.9 | 103.3 | 89.4 | 93.0 | (0.) | (0.) |



852

☆ 10 dB TOO HIGH

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA PROCT DATE - MONTH 22 DAY 0 HR, 0.6
59, DEG F, 70 PERCENT REL HUM, DAY 9 JENDTSV

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | REL | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-------|--|
| SRL INPUT AT STD | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| RPV, ALPHA 12/73 | | FREQ, (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| NO EGA | | 30 | 82.9 | 80.7 | 86.3 | 83.9 | 85.4 | 85.5 | 87.6 | 89.8 | 92.1 | 94.8 | 94.8 | 100.3 | 103.5 | 103.1 | | | 154.2 | |
| RDG, NO, 0 | | 63 | 83.3 | 84.1 | 84.6 | 82.8 | 83.5 | 84.9 | 86.7 | 88.3 | 89.9 | 91.9 | 95.7 | 101.4 | 104.6 | 100.3 | | | 154.2 | |
| RADIAL 320, FT | | 80 | 84.6 | 84.4 | 84.7 | 83.4 | 84.7 | 84.5 | 87.1 | 89.1 | 90.9 | 92.9 | 96.7 | 101.1 | 102.9 | 100.5 | | | 153.8 | |
| (98, M) | | 100 | 83.7 | 84.2 | 84.4 | 84.5 | 85.0 | 84.8 | 85.9 | 89.1 | 90.8 | 94.5 | 97.7 | 99.5 | 100.7 | 101.2 | | | 153.2 | |
| VEHICLE JENDTS | | 125 | 84.8 | 82.9 | 83.8 | 83.9 | 84.5 | 85.7 | 87.9 | 88.6 | 90.9 | 94.8 | 96.5 | 97.7 | 97.6 | 96.9 | | | 151.5 | |
| CONFIG JE-058 | | 160 | 83.2 | 82.9 | 83.9 | 84.0 | 84.5 | 85.4 | 87.7 | 88.7 | 90.4 | 93.9 | 97.3 | 97.7 | 96.2 | 94.4 | | | 151.2 | |
| LOG EVENDALE | | 200 | 81.3 | 83.2 | 83.7 | 84.8 | 85.1 | 85.8 | 87.3 | 88.8 | 89.9 | 93.0 | 95.9 | 95.2 | 93.6 | 92.2 | | | 149.7 | |
| DATE 04-29-75 | | 250 | 82.6 | 82.4 | 83.1 | 85.2 | 85.2 | 86.4 | 86.6 | 88.1 | 90.0 | 91.9 | 93.9 | 93.3 | 91.9 | 91.1 | | | 148.6 | |
| RUN DBIF-MODEL 5 | | 315 | 80.8 | 82.3 | 83.8 | 83.0 | 84.1 | 85.2 | 85.7 | 88.2 | 89.3 | 91.9 | 91.8 | 91.0 | 88.7 | 88.3 | | | 147.3 | |
| TAPE X50218 | | 400 | 80.1 | 82.0 | 83.9 | 84.4 | 83.9 | 84.7 | 86.1 | 87.7 | 89.6 | 92.2 | 91.0 | 89.2 | 87.4 | 86.5 | | | 147.1 | |
| BAR 29.5 HG | | 500 | 78.1 | 80.6 | 83.1 | 84.7 | 84.0 | 84.7 | 85.5 | 87.9 | 89.7 | 91.8 | 90.2 | 86.7 | 84.5 | 82.7 | | | 146.5 | |
| (99617, N/M2) | | 630 | 78.7 | 80.9 | 83.3 | 85.0 | 84.7 | 86.0 | 87.2 | 88.7 | 91.3 | 94.7 | 91.1 | 87.3 | 83.7 | 82.3 | | | 148.1 | |
| TANK 69, DEG F | | 800 | 78.3 | 82.1 | 84.8 | 85.9 | 86.5 | 87.0 | 88.0 | 89.7 | 92.4 | 95.5 | 92.7 | 88.3 | 85.4 | 83.2 | | | 149.2 | |
| (294, DEG K) | | 1000 | 78.0 | 82.3 | 84.6 | 85.8 | 86.3 | 87.9 | 88.3 | 90.0 | 93.1 | 95.7 | 93.9 | 88.0 | 85.4 | 83.4 | | | 149.7 | |
| THWT 53, DEG F | | 1250 | 77.6 | 82.1 | 85.8 | 86.4 | 86.6 | 88.0 | 88.6 | 90.7 | 93.0 | 95.5 | 93.0 | 87.1 | 85.3 | 83.4 | | | 149.8 | |
| (285, DEG K) | | 1600 | 76.4 | 81.7 | 84.8 | 85.3 | 86.2 | 87.4 | 88.2 | 90.6 | 92.8 | 95.1 | 92.0 | 86.2 | 83.7 | 82.1 | | | 149.4 | |
| HACT 0, GM/M3 | | 2000 | 75.1 | 80.6 | 83.6 | 84.2 | 85.4 | 86.6 | 87.5 | 89.5 | 92.5 | 92.4 | 90.1 | 84.9 | 82.9 | 81.2 | | | 148.1 | |
| (, KG/M3) | | 2500 | 71.3 | 77.6 | 80.5 | 81.1 | 81.9 | 82.8 | 84.9 | 87.0 | 89.3 | 90.1 | 87.2 | 81.5 | 79.5 | 78.1 | | | 145.7 | |
| FREQ, SHIFT | | 3150 | 88.0 | 74.7 | 77.2 | 78.1 | 78.1 | 80.1 | 82.7 | 84.5 | 86.3 | 87.6 | 83.3 | 78.7 | 77.5 | 75.7 | | | 143.4 | |
| JET 9 | | 4000 | 84.9 | 75.2 | 73.8 | 74.7 | 74.3 | 77.1 | 79.4 | 82.1 | 83.0 | 84.7 | 80.9 | 76.5 | 76.0 | 73.2 | | | 141.2 | |
| DIAMETER RATIO | | 5000 | 84.2 | 69.4 | 71.4 | 72.2 | 72.1 | 72.4 | 75.6 | 78.7 | 80.1 | 82.1 | 76.3 | 75.2 | 75.7 | 73.4 | | | 138.7 | |
| DF/DK 8.00 | | 6300 | 84.7 | 67.6 | 68.6 | 69.2 | 69.6 | 69.9 | 72.4 | 78.1 | 78.8 | 82.0 | 76.0 | 76.7 | 77.0 | 75.1 | | | 138.9 | |
| OVERALL CALCULATED | | 8000 | 86.8 | 68.0 | 66.9 | 68.6 | 69.1 | 68.4 | 70.9 | 79.2 | 78.6 | 83.8 | 76.6 | 78.8 | 79.5 | 77.6 | | | 142.0 | |
| PNDB | | 10000 | 88.3 | 68.4 | 66.7 | 68.7 | 71.0 | 69.6 | 72.4 | 81.1 | 82.0 | 86.3 | 78.8 | 81.1 | 81.6 | 79.3 | | | 146.7 | |
| | | | 93.9 | 95.0 | 96.8 | 97.2 | 97.7 | 98.6 | 99.9 | 101.8 | 103.8 | 106.5 | 106.8 | 108.4 | 110.0 | 108.4 | | | 163.4 | |
| | | | 100.3 | 104.3 | 106.2 | 106.8 | 107.5 | 108.6 | 109.9 | 112.2 | 114.0 | 116.3 | 114.2 | 111.7 | 111.4 | 110.4 | | | | |

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| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG, F, 70 PERCENT REL, HUM, DAY) | | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|-----|-----|
| SRL INPUT AT STD | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 0 | 0 | 0 |
| REV, ALPHA 12/73 | | FREQ, (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (0) | (0) | (0) |
| NO EGA | | 50 | 59.1 | 59.1 | 66.3 | 65.0 | 67.2 | 67.7 | 69.9 | 72.0 | 73.8 | 75.9 | 74.7 | 78.7 | 79.6 | 75.8 | | | | |
| SIDELINE 2400, FY: | | 63 | 59.4 | 62.4 | 64.5 | 63.8 | 65.2 | 67.0 | 69.0 | 70.6 | 71.7 | 73.0 | 75.6 | 79.7 | 80.6 | 72.9 | | | | |
| (731.52 M) | | 80 | 60.5 | 62.7 | 64.6 | 64.4 | 66.4 | 66.6 | 69.4 | 71.2 | 72.6 | 73.9 | 76.6 | 79.3 | 78.9 | 73.0 | | | | |
| NRA 0, RPM | | 100 | 59.5 | 62.3 | 64.2 | 65.4 | 66.6 | 66.8 | 68.1 | 71.2 | 72.4 | 75.4 | 77.5 | 77.7 | 76.5 | 73.4 | | | | |
| (0, RAD/SEC) | | 125 | 60.5 | 60.9 | 63.4 | 64.7 | 66.1 | 67.7 | 70.0 | 70.6 | 72.4 | 75.7 | 76.1 | 75.7 | 73.3 | 68.9 | | | | |
| NRK 0, RPM | | 160 | 58.7 | 60.8 | 63.4 | 64.7 | 65.9 | 67.3 | 69.7 | 70.6 | 71.9 | 74.6 | 76.9 | 75.6 | 71.6 | 66.1 | | | | |
| (0, RAD/SEC) | | 200 | 56.5 | 60.9 | 63.0 | 65.3 | 66.4 | 67.5 | 69.2 | 70.5 | 71.2 | 73.6 | 75.2 | 72.9 | 68.8 | 63.5 | | | | |
| NRQ 0, RPM | | 250 | 57.5 | 59.8 | 62.2 | 65.6 | 66.4 | 68.0 | 68.3 | 69.7 | 71.2 | 72.3 | 73.1 | 70.7 | 66.7 | 61.8 | | | | |
| (0, RAD/SEC) | | 315 | 55.3 | 59.5 | 62.7 | 63.1 | 65.1 | 66.6 | 67.3 | 69.6 | 70.3 | 72.0 | 70.7 | 68.1 | 63.1 | 58.4 | | | | |
| AIRFLOW RATIO | | 400 | 54.0 | 58.7 | 62.4 | 64.4 | 64.6 | 65.8 | 67.4 | 68.9 | 70.3 | 72.0 | 69.6 | 65.9 | 61.3 | 55.8 | | | | |
| WF/WB 8.00 | | 500 | 51.3 | 56.8 | 61.3 | 64.2 | 64.4 | 65.6 | 66.5 | 68.7 | 70.0 | 71.3 | 68.4 | 62.9 | 57.7 | 51.0 | | | | |
| | | 630 | 51.1 | 56.5 | 60.9 | 64.0 | 64.6 | 66.4 | 67.8 | 69.1 | 71.2 | 73.7 | 68.8 | 62.8 | 56.1 | 49.3 | | | | |
| VEHICLE JENOTS | | 800 | 49.6 | 56.8 | 61.7 | 64.3 | 65.8 | 66.9 | 68.0 | 69.6 | 71.7 | 73.9 | 69.6 | 62.9 | 56.6 | 48.5 | | | | |
| CONFIG JE-058 | | 1000 | 47.9 | 56.0 | 60.6 | 63.4 | 65.0 | 67.1 | 67.7 | 69.2 | 71.7 | 73.3 | 69.5 | 61.7 | 55.3 | 46.8 | | | | |
| LOQ EVENDALE | | 1250 | 45.8 | 54.4 | 60.8 | 63.1 | 64.4 | 66.4 | 67.3 | 69.1 | 71.8 | 72.2 | 68.0 | 59.5 | 53.5 | 44.2 | | | | |
| DATE 04-29-73 | | 1600 | 42.2 | 52.2 | 58.3 | 60.7 | 62.8 | 64.7 | 65.7 | 67.9 | 69.4 | 70.5 | 65.5 | 56.7 | 49.4 | 39.2 | | | | |
| RUN DBTF-MODEL 3 | | 2000 | 38.0 | 49.9 | 55.3 | 58.0 | 60.9 | 62.6 | 63.7 | 65.4 | 66.7 | 66.2 | 61.7 | 53.2 | 45.7 | 34.1 | | | | |
| TAPE X50210 | | 2500 | 30.0 | 42.7 | 49.5 | 52.6 | 54.9 | 56.8 | 59.2 | 60.9 | 62.4 | 61.6 | 56.5 | 46.6 | 38.2 | 24.7 | | | | |
| FAN TIP SPEED | | 3150 | 20.0 | 38.7 | 42.0 | 45.9 | 47.8 | 50.9 | 53.9 | 55.3 | 56.0 | 55.4 | 48.1 | 38.6 | 29.5 | 12.2 | | | | |
| FT/SEC | | 4000 | 6.8 | 23.5 | 32.2 | 37.1 | 39.0 | 43.1 | 45.9 | 48.1 | 47.7 | 47.0 | 39.3 | 28.8 | 17.9 | | | | | |
| | | 5000 | 0.2 | 17.3 | 26.2 | 31.3 | 33.8 | 35.6 | 39.3 | 42.0 | 41.9 | 41.2 | 31.1 | 23.1 | 11.7 | | | | | |
| | | 6300 | | 2.3 | 12.6 | 18.8 | 22.8 | 25.0 | 28.1 | 33.2 | 34.7 | 34.0 | 20.0 | 11.4 | | | | | | |
| | | 8000 | | | | 3.8 | 9.2 | 11.0 | 14.3 | 21.8 | 16.7 | 19.1 | 4.0 | | | | | | | |
| | | 10000 | | | | | | | 6.4 | | | 1.4 | | | | | | | | |
| OVERALL CALCULATED | | | 88.8 | 71.7 | 75.0 | 76.4 | 77.7 | 79.0 | 80.5 | 82.2 | 83.7 | 85.7 | 85.8 | 86.4 | 85.8 | 80.7 | | | | |
| PNDB | | | 88.8 | 71.4 | 72.2 | 81.6 | 83.3 | 85.1 | 86.5 | 88.4 | 89.9 | 91.2 | 88.5 | 85.5 | 82.2 | 76.4 | | | | |

PROC DATE = MONTH 25 DAY 0 HR 00
 DATA 259, DEG, F, 70 PERCENT REL, HUM, DAY = JENQTS

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | REL | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| SPL INPUT AT STD | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 120 | 130 | 140 | 150 | 160 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| REV, ALPHA 12/73 | | FREQ | (0.32) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) |
| NO EGA | | 90 | 86.2 | 88.2 | 89.3 | 86.7 | 88.2 | 88.0 | 90.1 | 92.3 | 94.3 | 98.1 | 97.5 | 104.5 | 107.7 | 106.9 | | | | | | | | | | 158.0 |
| RDG, NO, 0 | | 63 | 87.1 | 88.1 | 88.3 | 86.8 | 87.7 | 88.9 | 91.2 | 92.2 | 94.4 | 96.4 | 98.7 | 104.6 | 107.8 | 105.1 | | | | | | | | | | 157.8 |
| RADIAL 320, FT | | 80 | 87.3 | 87.7 | 87.7 | 86.7 | 87.9 | 88.7 | 90.1 | 92.6 | 94.9 | 96.4 | 99.9 | 104.6 | 106.6 | 103.5 | | | | | | | | | | 157.3 |
| (98, M) | | 100 | 86.7 | 87.4 | 87.4 | 88.3 | 88.5 | 88.5 | 90.2 | 93.4 | 95.0 | 98.3 | 101.0 | 102.8 | 103.0 | 103.7 | | | | | | | | | | 156.3 |
| VEHICLE JENQTS | | 125 | 87.3 | 88.6 | 88.8 | 87.4 | 88.0 | 88.9 | 90.7 | 92.1 | 94.4 | 98.3 | 100.0 | 100.4 | 99.6 | 98.4 | | | | | | | | | | 154.4 |
| CONFIG JE=058 | | 160 | 85.7 | 86.2 | 86.4 | 87.5 | 88.0 | 88.7 | 90.7 | 91.9 | 93.7 | 97.4 | 99.9 | 100.2 | 97.4 | 94.4 | | | | | | | | | | 153.7 |
| LOC EVENDALE | | 200 | 84.8 | 86.5 | 86.4 | 87.5 | 88.1 | 89.0 | 90.5 | 92.0 | 93.6 | 96.8 | 98.1 | 97.7 | 95.1 | 91.5 | | | | | | | | | | 152.5 |
| DATE 04-29-75 | | 250 | 85.6 | 86.6 | 85.6 | 88.4 | 88.7 | 89.4 | 89.6 | 91.9 | 93.3 | 95.4 | 96.9 | 96.5 | 93.6 | 91.3 | | | | | | | | | | 151.7 |
| RUN DBTF=MODEL 5 | | 315 | 84.6 | 85.6 | 86.8 | 87.3 | 87.9 | 89.0 | 89.5 | 91.2 | 93.3 | 95.1 | 95.0 | 96.2 | 91.0 | 88.8 | | | | | | | | | | 150.9 |
| TYPE X90230 | | 400 | 83.6 | 86.2 | 87.4 | 88.8 | 88.9 | 88.9 | 90.4 | 92.0 | 93.1 | 94.7 | 94.0 | 92.7 | 90.2 | 87.7 | | | | | | | | | | 150.5 |
| BAR 29.8 HG | | 500 | 81.8 | 84.8 | 86.9 | 88.5 | 88.8 | 89.7 | 91.0 | 92.6 | 93.5 | 94.8 | 92.7 | 92.5 | 88.5 | 86.4 | | | | | | | | | | 150.8 |
| (99817, N/M2) | | 630 | 81.4 | 84.9 | 87.3 | 89.5 | 89.7 | 90.5 | 91.7 | 94.5 | 97.5 | 96.7 | 93.1 | 91.3 | 88.9 | 86.3 | | | | | | | | | | 152.2 |
| TANR 69, DEG F | | 800 | 84.3 | 89.6 | 91.8 | 93.9 | 94.0 | 94.0 | 93.2 | 95.9 | 98.9 | 99.2 | 94.2 | 92.3 | 90.9 | 89.4 | | | | | | | | | | 154.4 |
| (294, DEG K) | | 1000 | 81.8 | 86.8 | 89.6 | 91.8 | 92.8 | 93.6 | 94.3 | 97.7 | 99.8 | 100.9 | 94.7 | 91.3 | 89.2 | 87.2 | | | | | | | | | | 155.2 |
| THET 53, DEG F | | 1250 | 83.1 | 88.8 | 91.5 | 93.9 | 94.1 | 95.2 | 96.1 | 98.7 | 102.3 | 102.8 | 96.5 | 92.4 | 91.3 | 89.4 | | | | | | | | | | 157.1 |
| (285, DEG K) | | 1600 | 84.7 | 91.5 | 94.1 | 94.3 | 95.7 | 95.9 | 97.2 | 100.1 | 102.3 | 103.6 | 97.5 | 93.2 | 92.2 | 90.1 | | | | | | | | | | 158.1 |
| HACT 0, GM/M3 | | 2000 | 83.6 | 90.1 | 93.6 | 94.4 | 95.6 | 96.1 | 97.7 | 100.0 | 102.5 | 102.7 | 97.3 | 94.1 | 92.4 | 89.7 | | | | | | | | | | 158.4 |
| (, KG/M3) | | 2500 | 80.5 | 87.6 | 90.5 | 92.8 | 93.1 | 93.8 | 96.4 | 98.7 | 100.6 | 101.1 | 96.0 | 92.7 | 89.8 | 87.6 | | | | | | | | | | 156.7 |
| FREQ, SHIFT | | 3150 | 78.5 | 86.5 | 88.7 | 90.6 | 91.1 | 92.1 | 94.0 | 96.3 | 97.8 | 98.3 | 94.0 | 91.2 | 89.3 | 86.5 | | | | | | | | | | 154.8 |
| JET 9 | | 4000 | 75.7 | 83.0 | 85.5 | 87.7 | 87.8 | 89.9 | 91.4 | 93.1 | 94.8 | 96.2 | 91.1 | 87.7 | 86.5 | 82.9 | | | | | | | | | | 152.7 |
| DIAMETER RATIO | | 5000 | 73.2 | 80.7 | 83.2 | 85.2 | 85.6 | 86.4 | 87.8 | 89.7 | 91.6 | 92.4 | 87.3 | 85.5 | 84.9 | 82.9 | | | | | | | | | | 149.9 |
| DE/DH 8.00 | | 6300 | 70.4 | 76.6 | 79.4 | 81.9 | 81.8 | 83.4 | 85.4 | 86.6 | 89.1 | 92.0 | 86.0 | 86.4 | 85.8 | 84.1 | | | | | | | | | | 149.5 |
| OVERALL CALCULATED | | 8000 | 69.5 | 73.7 | 75.4 | 78.3 | 78.1 | 81.1 | 82.9 | 84.9 | 87.9 | 93.0 | 86.6 | 87.6 | 88.0 | 86.8 | | | | | | | | | | 151.2 |
| PNDB | | 10000 | 69.1 | 70.2 | 71.5 | 73.7 | 74.5 | 80.6 | 82.1 | 83.6 | 87.5 | 95.0 | 88.6 | 90.3 | 90.1 | 88.8 | | | | | | | | | | 155.1 |
| | | | 97.8 | 100.4 | 102.5 | 103.7 | 104.3 | 105.0 | 106.3 | 106.7 | 112.0 | 112.3 | 110.3 | 112.1 | 113.4 | 111.7 | | | | | | | | | | 158.8 |
| | | | 106.9 | 111.7 | 114.3 | 115.7 | 116.3 | 117.1 | 118.8 | 121.0 | 123.1 | 124.3 | 120.3 | 118.7 | 117.3 | 115.0 | | | | | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL, NUM, DAY)

| SRL INPUT AT STD | FREQ | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 120' | 140' | 160' | 180' | 200' | 220' | 240' | 260' | 280' | 300' |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| REV, ALPHA 12/73 | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) |
| NO EGA | 50 | 82.3 | 62.6 | 69.3 | 67.7 | 69.9 | 70.2 | 72.4 | 74.5 | 78.1 | 79.1 | 77.5 | 82.9 | 83.9 | 79.6 | | | | |
| SIDELINE 2400, FT | 63 | 83.1 | 68.4 | 68.2 | 67.8 | 69.5 | 71.0 | 73.5 | 74.4 | 78.2 | 77.5 | 78.6 | 83.0 | 83.9 | 77.6 | | | | |
| 1731.52 M) | 80 | 83.3 | 68.0 | 67.6 | 67.7 | 69.7 | 70.9 | 72.4 | 74.7 | 76.6 | 77.4 | 79.8 | 82.8 | 82.6 | 76.0 | | | | |
| NFA | 100 | 82.5 | 65.6 | 67.2 | 69.1 | 70.1 | 70.6 | 72.4 | 75.4 | 78.7 | 79.1 | 80.7 | 80.9 | 78.8 | 75.9 | | | | |
| 0, RPM | 125 | 83.0 | 65.7 | 66.4 | 68.2 | 69.6 | 70.9 | 72.8 | 74.1 | 75.9 | 79.2 | 79.6 | 78.5 | 75.3 | 70.4 | | | | |
| 0, RAD/SEC | 160 | 81.2 | 68.1 | 65.9 | 68.0 | 69.4 | 70.6 | 72.7 | 73.8 | 75.1 | 78.1 | 79.1 | 78.1 | 72.9 | 66.1 | | | | |
| NFM | 200 | 80.0 | 68.2 | 65.8 | 68.0 | 69.4 | 70.9 | 72.4 | 73.8 | 74.9 | 77.3 | 77.3 | 75.4 | 70.3 | 62.7 | | | | |
| 0, RPM | 250 | 80.5 | 68.0 | 64.7 | 68.8 | 69.9 | 71.0 | 71.3 | 73.5 | 74.4 | 75.8 | 76.1 | 74.0 | 68.5 | 62.1 | | | | |
| 0, RAD/SEC | 315 | 59.0 | 62.7 | 65.7 | 67.4 | 68.8 | 70.4 | 71.0 | 72.6 | 74.3 | 75.3 | 73.9 | 73.3 | 65.4 | 58.9 | | | | |
| 0, RPM | 400 | 57.5 | 62.9 | 65.9 | 68.6 | 69.6 | 70.1 | 71.7 | 73.1 | 73.8 | 74.5 | 72.6 | 69.4 | 64.1 | 57.0 | | | | |
| 0, RAD/SEC | 500 | 55.1 | 61.0 | 65.0 | 68.0 | 69.1 | 70.6 | 72.0 | 73.4 | 75.8 | 74.3 | 70.9 | 68.6 | 61.7 | 54.8 | | | | |
| AIRFLOW RATIO | 630 | 83.8 | 68.5 | 64.9 | 68.5 | 69.6 | 70.9 | 72.3 | 74.9 | 77.4 | 75.7 | 70.8 | 66.8 | 61.3 | 53.3 | | | | |
| WF/WM 8.00 | 800 | 55.6 | 68.3 | 68.7 | 72.3 | 73.3 | 73.9 | 73.3 | 75.8 | 78.2 | 77.6 | 71.1 | 66.9 | 62.1 | 54.8 | | | | |
| VEHICLE JENOTS | 1000 | 51.7 | 68.5 | 65.6 | 69.4 | 71.5 | 72.9 | 73.7 | 77.0 | 78.5 | 78.6 | 70.8 | 64.9 | 59.1 | 50.5 | | | | |
| QQNFQ JE*050 | 1250 | 51.3 | 68.2 | 66.6 | 70.6 | 71.9 | 73.7 | 74.8 | 77.1 | 78.1 | 79.5 | 71.5 | 64.7 | 59.5 | 50.2 | | | | |
| LQC EVENDALE | 1600 | 50.4 | 63.0 | 67.5 | 69.7 | 72.3 | 73.2 | 74.7 | 77.4 | 78.9 | 79.0 | 71.0 | 63.7 | 57.9 | 47.2 | | | | |
| DATE 04-29-75 | 2000 | 46.5 | 58.4 | 65.3 | 68.2 | 70.8 | 72.1 | 73.9 | 75.9 | 77.7 | 76.5 | 69.0 | 62.4 | 55.2 | 42.6 | | | | |
| RUN QRTF=MODEL 5 | 2500 | 39.2 | 52.7 | 59.3 | 64.4 | 66.2 | 67.8 | 70.7 | 72.7 | 73.7 | 72.6 | 65.0 | 57.8 | 48.5 | 34.2 | | | | |
| TARE X50230 | 3150 | 30.5 | 48.5 | 53.5 | 58.4 | 60.8 | 62.9 | 65.1 | 67.0 | 67.5 | 66.2 | 58.8 | 51.3 | 41.2 | 23.0 | | | | |
| FAN TIP SPEED | 4000 | 27.5 | 33.3 | 44.0 | 50.1 | 52.5 | 55.9 | 57.9 | 59.1 | 59.0 | 58.5 | 49.6 | 40.0 | 28.4 | 4.4 | | | | |
| FT/SEC | 5000 | 9.2 | 28.5 | 38.0 | 44.3 | 47.3 | 49.6 | 51.5 | 53.0 | 53.4 | 51.5 | 42.1 | 33.3 | 20.9 | | | | | |
| | 6300 | | 18.3 | 23.3 | 31.6 | 35.0 | 38.5 | 41.1 | 43.7 | 42.3 | 41.9 | 30.0 | 21.2 | 4.6 | | | | | |
| | 8000 | | | 2.8 | 13.6 | 18.2 | 23.8 | 26.3 | 27.6 | 27.9 | 28.3 | 14.0 | 2.2 | | | | | | |
| | 10000 | | | | | | 5.9 | 8.5 | 8.9 | 9.2 | 10.1 | | | | | | | | |
| OVERALL CALCULATED | | 72.0 | 75.7 | 79.1 | 81.3 | 82.9 | 84.0 | 85.4 | 87.5 | 89.3 | 90.0 | 88.7 | 89.8 | 89.2 | 83.9 | | | | |
| PNDB | | 73.4 | 82.4 | 80.3 | 89.4 | 91.4 | 92.8 | 94.5 | 96.5 | 98.2 | 98.0 | 92.7 | 90.0 | 86.3 | 79.6 | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | 0. | | | 0. | | | 0. | | | PWL |
|------------------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|--|--|----|--|--|-----|
| SPL INPUT AT STD | REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | | | | |
| | | 50 | 89.9 | 88.5 | 89.3 | 100.2 | 91.4 | 92.2 | 93.0 | 95.6 | 98.1 | 101.1 | 101.8 | 118.5 | 113.0 | 119.4 | | | | 168.4 | | | | | | |
| | NO EGA | 63 | 92.1 | 92.1 | 92.3 | 101.0 | 92.0 | 92.6 | 93.7 | 97.3 | 99.4 | 101.7 | 104.0 | 120.6 | 112.8 | 120.6 | | | | 170.0 | | | | | | |
| | RDG. NO. 0. | 80 | 92.8 | 92.2 | 92.2 | 100.9 | 92.2 | 92.2 | 95.6 | 96.9 | 99.9 | 101.2 | 105.2 | 119.1 | 112.6 | 121.5 | | | | 169.6 | | | | | | |
| | RADIAL 32. FT. | 100 | 91.2 | 91.7 | 92.1 | 102.5 | 93.0 | 93.5 | 95.2 | 98.4 | 100.3 | 103.5 | 105.7 | 118.3 | 109.0 | 118.5 | | | | 168.0 | | | | | | |
| | (98. MI) | 125 | 92.1 | 90.6 | 92.0 | 101.7 | 92.3 | 94.2 | 95.7 | 97.8 | 100.4 | 103.3 | 105.5 | 115.4 | 106.1 | 113.7 | | | | 165.0 | | | | | | |
| | VEHICLE JENOTS | 160 | 90.5 | 91.2 | 92.1 | 101.8 | 93.2 | 93.9 | 97.7 | 97.7 | 99.9 | 103.4 | 105.6 | 115.5 | 103.7 | 110.4 | | | | 164.6 | | | | | | |
| | CCNFIG JE#057 | 230 | 90.3 | 91.5 | 91.4 | 101.7 | 93.6 | 94.5 | 96.5 | 98.2 | 100.1 | 102.2 | 104.6 | 113.0 | 100.4 | 107.7 | | | | 162.6 | | | | | | |
| | LOC EVENDALE | 250 | 91.1 | 91.1 | 90.8 | 103.1 | 94.2 | 94.3 | 96.6 | 97.6 | 99.7 | 101.4 | 103.2 | 112.5 | 100.1 | 107.8 | | | | 162.2 | | | | | | |
| | DATE 04-30-75 | 315 | 90.0 | 90.8 | 91.5 | 101.2 | 92.8 | 93.4 | 95.2 | 97.6 | 100.3 | 101.3 | 101.2 | 111.7 | 99.4 | 106.0 | | | | 161.3 | | | | | | |
| | RUN DBTF-MODEL 5 | 400 | 89.3 | 90.9 | 91.0 | 102.7 | 93.3 | 94.3 | 95.5 | 97.6 | 100.0 | 101.1 | 100.6 | 111.1 | 99.8 | 106.3 | | | | 161.2 | | | | | | |
| | TAPE X5J250 | 500 | 87.9 | 89.9 | 90.4 | 101.7 | 93.1 | 94.5 | 95.8 | 98.1 | 101.0 | 100.3 | 100.0 | 110.2 | 98.2 | 104.7 | | | | 160.6 | | | | | | |
| | BAR 29.3 HG | 630 | 87.6 | 89.9 | 91.0 | 102.0 | 93.7 | 94.7 | 96.7 | 99.2 | 103.0 | 100.1 | 100.1 | 110.0 | 97.9 | 103.5 | | | | 160.8 | | | | | | |
| | (98807. N/42) | 800 | 88.1 | 91.0 | 92.1 | 104.2 | 95.0 | 96.1 | 97.8 | 100.5 | 103.4 | 99.8 | 99.8 | 110.1 | 97.7 | 103.0 | | | | 161.3 | | | | | | |
| | TAMB 68. DEG F | 1000 | 87.6 | 91.2 | 93.4 | 105.2 | 96.4 | 97.5 | 98.6 | 101.3 | 104.7 | 100.3 | 98.8 | 109.1 | 97.3 | 102.5 | | | | 161.5 | | | | | | |
| | (293. DEG K) | 1250 | 87.9 | 92.1 | 93.7 | 106.0 | 97.2 | 98.1 | 100.2 | 102.7 | 105.8 | 100.9 | 98.1 | 107.9 | 96.9 | 102.7 | | | | 162.0 | | | | | | |
| | TWET 61. DEG F | 1690 | 88.5 | 92.6 | 94.4 | 106.9 | 98.3 | 100.0 | 101.8 | 104.7 | 106.1 | 102.2 | 98.9 | 107.3 | 96.0 | 102.2 | | | | 162.8 | | | | | | |
| | (289. DEG K) | 2000 | 88.0 | 93.0 | 94.3 | 106.6 | 98.8 | 100.3 | 102.4 | 104.6 | 106.7 | 102.6 | 99.0 | 107.3 | 95.3 | 101.1 | | | | 163.1 | | | | | | |
| | HACT 0. GH/M3 | 2500 | 86.1 | 91.9 | 93.3 | 105.6 | 97.4 | 98.6 | 101.0 | 103.2 | 104.6 | 101.4 | 97.8 | 105.5 | 93.8 | 99.4 | | | | 161.9 | | | | | | |
| | (1. KG/M3) | 3150 | 83.8 | 89.8 | 91.8 | 104.4 | 95.4 | 96.6 | 98.3 | 99.8 | 101.0 | 97.8 | 94.8 | 102.9 | 91.3 | 96.5 | | | | 159.9 | | | | | | |
| | FRFQ. SHIFT | 4000 | 79.3 | 85.4 | 87.2 | 99.9 | 90.2 | 93.0 | 94.8 | 96.7 | 97.6 | 94.6 | 91.5 | 99.4 | 88.4 | 92.8 | | | | 156.8 | | | | | | |
| | JET 9 | 5000 | 75.5 | 80.9 | 82.9 | 95.5 | 86.8 | 87.6 | 89.8 | 92.5 | 94.8 | 89.9 | 86.3 | 95.2 | 84.4 | 90.9 | | | | 153.2 | | | | | | |
| | DIAMETER RATIO | 6300 | 70.3 | 75.7 | 77.7 | 91.0 | 82.2 | 83.7 | 86.0 | 88.7 | 90.5 | 85.6 | 81.6 | 95.1 | 84.7 | 92.5 | | | | 151.4 | | | | | | |
| | DF/LM 8.00 | 8000 | 68.2 | 70.2 | 72.8 | 88.0 | 79.3 | 79.8 | 82.6 | 85.1 | 87.1 | 82.3 | 77.6 | 97.3 | 87.2 | 94.8 | | | | 153.1 | | | | | | |
| | OVERALL CALCULATED | 10020 | 69.0 | 66.9 | 67.7 | 86.7 | 78.9 | 79.3 | 80.6 | 83.0 | 83.2 | 81.0 | 76.5 | 99.5 | 89.5 | 97.0 | | | | 157.1 | | | | | | |
| | PND8 | | 102.5 | 104.1 | 105.1 | 116.0 | 107.0 | 109.0 | 111.0 | 113.3 | 115.5 | 114.4 | 115.1 | 127.3 | 119.0 | 126.8 | | | | 177.7 | | | | | | |
| | | | 111.1 | 115.0 | 116.3 | 128.3 | 119.8 | 121.0 | 123.1 | 125.3 | 127.2 | 124.7 | 122.9 | 132.6 | 121.7 | 129.0 | | | | | | | | | | |

☆ 10 dB TOO HIGH

ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0, 0, 0, | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) |
| NO EGA | 50 | 66.1 | 66.9 | 69.3 | 81.2 | 73.2 | 74.4 | 76.2 | 77.8 | 79.8 | 82.1 | 81.7 | 96.9 | 89.1 | 92.1 | | | | | | |
| SIDELINE 24.0 FT. | 63 | 68.1 | 70.4 | 72.2 | 82.0 | 73.7 | 74.8 | 78.8 | 79.1 | 81.2 | 82.7 | 83.9 | 99.0 | 88.9 | 93.1 | | | | | | |
| (731.52 M) | 80 | 68.8 | 70.5 | 72.1 | 81.9 | 73.9 | 74.4 | 77.9 | 79.3 | 81.6 | 82.2 | 85.1 | 97.3 | 88.6 | 94.0 | | | | | | |
| NFA 0. RPM | 100 | 67.0 | 69.8 | 71.9 | 83.4 | 74.6 | 75.6 | 77.4 | 81.4 | 81.9 | 84.4 | 85.5 | 96.4 | 84.8 | 93.7 | | | | | | |
| (0. RAD/SEC) | 125 | 67.7 | 68.7 | 71.7 | 82.5 | 73.8 | 76.2 | 77.8 | 79.8 | 81.9 | 84.1 | 85.1 | 93.4 | 81.8 | 85.6 | | | | | | |
| NFK 0. RPM | 160 | 65.9 | 69.1 | 71.6 | 82.5 | 74.7 | 75.8 | 79.7 | 79.6 | 81.4 | 83.8 | 85.1 | 93.4 | 79.1 | 82.1 | | | | | | |
| (0. RAD/SEC) | 200 | 65.5 | 69.1 | 70.8 | 82.3 | 74.9 | 76.2 | 78.4 | 81.6 | 81.4 | 82.8 | 84.0 | 90.6 | 75.6 | 79.0 | | | | | | |
| NFD 0. RPM | 250 | 65.9 | 68.5 | 69.9 | 83.5 | 75.4 | 76.0 | 77.8 | 79.2 | 80.9 | 81.7 | 82.3 | 89.9 | 75.0 | 78.5 | | | | | | |
| (0. RAD/SEC) | 315 | 64.5 | 67.9 | 70.4 | 81.3 | 73.8 | 74.8 | 76.7 | 79.0 | 81.2 | 81.4 | 80.1 | 88.8 | 73.8 | 76.1 | | | | | | |
| AIRFLOW RATIO | 400 | 63.2 | 67.6 | 69.5 | 82.5 | 74.0 | 75.4 | 76.8 | 78.7 | 80.7 | 80.9 | 79.2 | 87.8 | 73.7 | 75.7 | | | | | | |
| WF/WM 8.00 | 500 | 61.1 | 66.1 | 68.6 | 81.2 | 73.4 | 75.3 | 76.8 | 79.0 | 81.3 | 79.8 | 78.1 | 86.4 | 71.5 | 73.0 | | | | | | |
| | 630 | 60.0 | 65.3 | 68.6 | 81.0 | 73.6 | 75.2 | 77.3 | 79.6 | 82.9 | 79.2 | 77.7 | 85.6 | 70.3 | 70.5 | | | | | | |
| VEHICLE JENOTS | 800 | 59.4 | 65.6 | 69.0 | 82.6 | 74.4 | 76.0 | 77.9 | 80.4 | 82.8 | 78.2 | 76.7 | 84.8 | 69.0 | 68.3 | | | | | | |
| CONFIG JE*057 | 1000 | 57.5 | 64.8 | 69.5 | 82.8 | 75.1 | 76.7 | 78.1 | 80.6 | 83.3 | 77.9 | 74.9 | 82.8 | 67.2 | 65.9 | | | | | | |
| LOC EVENDALE | 1250 | 56.1 | 64.5 | 68.6 | 82.7 | 75.0 | 76.5 | 78.8 | 81.2 | 83.7 | 77.6 | 73.1 | 80.3 | 65.1 | 63.5 | | | | | | |
| DATE 04-30-75 | 1600 | 54.3 | 63.1 | 67.9 | 82.3 | 74.9 | 77.3 | 79.4 | 82.0 | 82.7 | 77.6 | 72.3 | 77.8 | 61.8 | 59.3 | | | | | | |
| RUN DBTF-MODEL 5 | 2000 | 50.9 | 61.3 | 65.9 | 80.4 | 73.9 | 76.2 | 78.6 | 80.6 | 81.8 | 76.4 | 70.6 | 75.6 | 58.1 | 54.0 | | | | | | |
| TAPE X50250 | 2500 | 44.8 | 57.0 | 62.3 | 77.1 | 70.5 | 72.6 | 75.2 | 77.7 | 77.7 | 72.9 | 66.8 | 70.6 | 52.5 | 45.9 | | | | | | |
| FAN TIP SPEED | 3150 | 35.8 | 49.7 | 56.3 | 72.2 | 65.1 | 67.4 | 69.4 | 70.6 | 70.8 | 63.7 | 59.6 | 62.9 | 43.2 | 33.0 | | | | | | |
| FT/SEC | 4000 | 21.2 | 37.7 | 45.6 | 62.2 | 54.9 | 59.0 | 61.2 | 62.7 | 62.3 | 56.9 | 49.9 | 51.6 | 30.3 | 14.2 | | | | | | |
| | 5000 | 11.5 | 28.8 | 37.7 | 54.6 | 48.6 | 50.8 | 53.5 | 55.7 | 56.6 | 49.5 | 41.1 | 43.1 | 20.4 | 3.6 | | | | | | |
| | 6300 | | 10.4 | 21.7 | 40.7 | 35.4 | 38.9 | 41.7 | 43.8 | 43.7 | 35.3 | 25.6 | 29.8 | 3.5 | | | | | | | |
| | 8000 | | | 0.2 | 23.3 | 19.4 | 22.3 | 26.0 | 27.8 | 27.1 | 17.5 | 5.0 | 11.9 | | | | | | | | |
| OVERALL CALCULATED | 10020 | | | | 1.8 | 0.7 | 4.6 | 7.0 | 8.3 | 4.9 | | | | | | | | | | | |
| PNUB | | 77.0 | 80.0 | 82.3 | 94.6 | 86.7 | 88.2 | 90.4 | 92.4 | 94.3 | 93.8 | 94.1 | 105.0 | 94.8 | 99.1 | | | | | | |
| | | 78.7 | 84.6 | 88.5 | 102.4 | 95.0 | 97.0 | 99.3 | 101.3 | 102.8 | 99.5 | 97.2 | 105.7 | 93.1 | 96.5 | | | | | | |

858



★ 10 dB TOO HIGH

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 89, DEG, F, 70 PERCENT REL, HQH, DAY = JENOTS

| SRL INPUT AT STD | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 | 390 | 400 | 410 | 420 | 430 | 440 | 450 | 460 | 470 | 480 | 490 | 500 | 510 | 520 | 530 | 540 | 550 | 560 | 570 | 580 | 590 | 600 | 610 | 620 | 630 | 640 | 650 | 660 | 670 | 680 | 690 | 700 | 710 | 720 | 730 | 740 | 750 | 760 | 770 | 780 | 790 | 800 | 810 | 820 | 830 | 840 | 850 | 860 | 870 | 880 | 890 | 900 | 910 | 920 | 930 | 940 | 950 | 960 | 970 | 980 | 990 | 1000 | 1010 | 1020 | 1030 | 1040 | 1050 | 1060 | 1070 | 1080 | 1090 | 1100 | 1110 | 1120 | 1130 | 1140 | 1150 | 1160 | 1170 | 1180 | 1190 | 1200 | 1210 | 1220 | 1230 | 1240 | 1250 | 1260 | 1270 | 1280 | 1290 | 1300 | 1310 | 1320 | 1330 | 1340 | 1350 | 1360 | 1370 | 1380 | 1390 | 1400 | 1410 | 1420 | 1430 | 1440 | 1450 | 1460 | 1470 | 1480 | 1490 | 1500 | 1510 | 1520 | 1530 | 1540 | 1550 | 1560 | 1570 | 1580 | 1590 | 1600 | 1610 | 1620 | 1630 | 1640 | 1650 | 1660 | 1670 | 1680 | 1690 | 1700 | 1710 | 1720 | 1730 | 1740 | 1750 | 1760 | 1770 | 1780 | 1790 | 1800 | 1810 | 1820 | 1830 | 1840 | 1850 | 1860 | 1870 | 1880 | 1890 | 1900 | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1970 | 1980 | 1990 | 2000 | 2010 | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | 2080 | 2090 | 2100 | 2110 | 2120 | 2130 | 2140 | 2150 | 2160 | 2170 | 2180 | 2190 | 2200 | 2210 | 2220 | 2230 | 2240 | 2250 | 2260 | 2270 | 2280 | 2290 | 2300 | 2310 | 2320 | 2330 | 2340 | 2350 | 2360 | 2370 | 2380 | 2390 | 2400 | 2410 | 2420 | 2430 | 2440 | 2450 | 2460 | 2470 | 2480 | 2490 | 2500 | 2510 | 2520 | 2530 | 2540 | 2550 | 2560 | 2570 | 2580 | 2590 | 2600 | 2610 | 2620 | 2630 | 2640 | 2650 | 2660 | 2670 | 2680 | 2690 | 2700 | 2710 | 2720 | 2730 | 2740 | 2750 | 2760 | 2770 | 2780 | 2790 | 2800 | 2810 | 2820 | 2830 | 2840 | 2850 | 2860 | 2870 | 2880 | 2890 | 2900 | 2910 | 2920 | 2930 | 2940 | 2950 | 2960 | 2970 | 2980 | 2990 | 3000 | 3010 | 3020 | 3030 | 3040 | 3050 | 3060 | 3070 | 3080 | 3090 | 3100 | 3110 | 3120 | 3130 | 3140 | 3150 | 3160 | 3170 | 3180 | 3190 | 3200 | 3210 | 3220 | 3230 | 3240 | 3250 | 3260 | 3270 | 3280 | 3290 | 3300 | 3310 | 3320 | 3330 | 3340 | 3350 | 3360 | 3370 | 3380 | 3390 | 3400 | 3410 | 3420 | 3430 | 3440 | 3450 | 3460 | 3470 | 3480 | 3490 | 3500 | 3510 | 3520 | 3530 | 3540 | 3550 | 3560 | 3570 | 3580 | 3590 | 3600 | 3610 | 3620 | 3630 | 3640 | 3650 | 3660 | 3670 | 3680 | 3690 | 3700 | 3710 | 3720 | 3730 | 3740 | 3750 | 3760 | 3770 | 3780 | 3790 | 3800 | 3810 | 3820 | 3830 | 3840 | 3850 | 3860 | 3870 | 3880 | 3890 | 3900 | 3910 | 3920 | 3930 | 3940 | 3950 | 3960 | 3970 | 3980 | 3990 | 4000 | 4010 | 4020 | 4030 | 4040 | 4050 | 4060 | 4070 | 4080 | 4090 | 4100 | 4110 | 4120 | 4130 | 4140 | 4150 | 4160 | 4170 | 4180 | 4190 | 4200 | 4210 | 4220 | 4230 | 4240 | 4250 | 4260 | 4270 | 4280 | 4290 | 4300 | 4310 | 4320 | 4330 | 4340 | 4350 | 4360 | 4370 | 4380 | 4390 | 4400 | 4410 | 4420 | 4430 | 4440 | 4450 | 4460 | 4470 | 4480 | 4490 | 4500 | 4510 | 4520 | 4530 | 4540 | 4550 | 4560 | 4570 | 4580 | 4590 | 4600 | 4610 | 4620 | 4630 | 4640 | 4650 | 4660 | 4670 | 4680 | 4690 | 4700 | 4710 | 4720 | 4730 | 4740 | 4750 | 4760 | 4770 | 4780 | 4790 | 4800 | 4810 | 4820 | 4830 | 4840 | 4850 | 4860 | 4870 | 4880 | 4890 | 4900 | 4910 | 4920 | 4930 | 4940 | 4950 | 4960 | 4970 | 4980 | 4990 | 5000 | 5010 | 5020 | 5030 | 5040 | 5050 | 5060 | 5070 | 5080 | 5090 | 5100 | 5110 | 5120 | 5130 | 5140 | 5150 | 5160 | 5170 | 5180 | 5190 | 5200 | 5210 | 5220 | 5230 | 5240 | 5250 | 5260 | 5270 | 5280 | 5290 | 5300 | 5310 | 5320 | 5330 | 5340 | 5350 | 5360 | 5370 | 5380 | 5390 | 5400 | 5410 | 5420 | 5430 | 5440 | 5450 | 5460 | 5470 | 5480 | 5490 | 5500 | 5510 | 5520 | 5530 | 5540 | 5550 | 5560 | 5570 | 5580 | 5590 | 5600 | 5610 | 5620 | 5630 | 5640 | 5650 | 5660 | 5670 | 5680 | 5690 | 5700 | 5710 | 5720 | 5730 | 5740 | 5750 | 5760 | 5770 | 5780 | 5790 | 5800 | 5810 | 5820 | 5830 | 5840 | 5850 | 5860 | 5870 | 5880 | 5890 | 5900 | 5910 | 5920 | 5930 | 5940 | 5950 | 5960 | 5970 | 5980 | 5990 | 6000 | 6010 | 6020 | 6030 | 6040 | 6050 | 6060 | 6070 | 6080 | 6090 | 6100 | 6110 | 6120 | 6130 | 6140 | 6150 | 6160 | 6170 | 6180 | 6190 | 6200 | 6210 | 6220 | 6230 | 6240 | 6250 | 6260 | 6270 | 6280 | 6290 | 6300 | 6310 | 6320 | 6330 | 6340 | 6350 | 6360 | 6370 | 6380 | 6390 | 6400 | 6410 | 6420 | 6430 | 6440 | 6450 | 6460 | 6470 | 6480 | 6490 | 6500 | 6510 | 6520 | 6530 | 6540 | 6550 | 6560 | 6570 | 6580 | 6590 | 6600 | 6610 | 6620 | 6630 | 6640 | 6650 | 6660 | 6670 | 6680 | 6690 | 6700 | 6710 | 6720 | 6730 | 6740 | 6750 | 6760 | 6770 | 6780 | 6790 | 6800 | 6810 | 6820 | 6830 | 6840 | 6850 | 6860 | 6870 | 6880 | 6890 | 6900 | 6910 | 6920 | 6930 | 6940 | 6950 | 6960 | 6970 | 6980 | 6990 | 7000 | 7010 | 7020 | 7030 | 7040 | 7050 | 7060 | 7070 | 7080 | 7090 | 7100 | 7110 | 7120 | 7130 | 7140 | 7150 | 7160 | 7170 | 7180 | 7190 | 7200 | 7210 | 7220 | 7230 | 7240 | 7250 | 7260 | 7270 | 7280 | 7290 | 7300 | 7310 | 7320 | 7330 | 7340 | 7350 | 7360 | 7370 | 7380 | 7390 | 7400 | 7410 | 7420 | 7430 | 7440 | 7450 | 7460 | 7470 | 7480 | 7490 | 7500 | 7510 | 7520 | 7530 | 7540 | 7550 | 7560 | 7570 | 7580 | 7590 | 7600 | 7610 | 7620 | 7630 | 7640 | 7650 | 7660 | 7670 | 7680 | 7690 | 7700 | 7710 | 7720 | 7730 | 7740 | 7750 | 7760 | 7770 | 7780 | 7790 | 7800 | 7810 | 7820 | 7830 | 7840 | 7850 | 7860 | 7870 | 7880 | 7890 | 7900 | 7910 | 7920 | 7930 | 7940 | 7950 | 7960 | 7970 | 7980 | 7990 | 8000 | 8010 | 8020 | 8030 | 8040 | 8050 | 8060 | 8070 | 8080 | 8090 | 8100 | 8110 | 8120 | 8130 | 8140 | 8150 | 8160 | 8170 | 8180 | 8190 | 8200 | 8210 | 8220 | 8230 | 8240 | 8250 | 8260 | 8270 | 8280 | 8290 | 8300 | 8310 | 8320 | 8330 | 8340 | 8350 | 8360 | 8370 | 8380 | 8390 | 8400 | 8410 | 8420 | 8430 | 8440 | 8450 | 8460 | 8470 | 8480 | 8490 | 8500 | 8510 | 8520 | 8530 | 8540 | 8550 | 8560 | 8570 | 8580 | 8590 | 8600 | 8610 | 8620 | 8630 | 8640 | 8650 | 8660 | 8670 | 8680 | 8690 | 8700 | 8710 | 8720 | 8730 | 8740 | 8750 | 8760 | 8770 | 8780 | 8790 | 8800 | 8810 | 8820 | 8830 | 8840 | 8850 | 8860 | 8870 | 8880 | 8890 | 8900 | 8910 | 8920 | 8930 | 8940 | 8950 | 8960 | 8970 | 8980 | 8990 | 9000 | 9010 | 9020 | 9030 | 9040 | 9050 | 9060 | 9070 | 9080 | 9090 | 9100 | 9110 | 9120 | 9130 | 9140 | 9150 | 9160 | 9170 | 9180 | 9190 | 9200 | 9210 | 9220 | 9230 | 9240 | 9250 | 9260 | 9270 | 9280 | 9290 | 9300 | 9310 | 9320 | 9330 | 9340 | 9350 | 9360 | 9370 | 9380 | 9390 | 9400 | 9410 | 9420 | 9430 | 9440 | 9450 | 9460 | 9470 | 9480 | 9490 | 9500 | 9510 | 9520 | 9530 | 9540 | 9550 | 9560 | 9570 | 9580 | 9590 | 9600 | 9610 | 9620 | 9630 | 9640 | 9650 | 9660 | 9670 | 9680 | 9690 | 9700 | 9710 | 9720 | 9730 | 9740 | 9750 | 9760 | 9770 | 9780 | 9790 | 9800 | 9810 | 9820 | 9830 | 9840 | 9850 | 9860 | 9870 | 9880 | 9890 | 9900 | 9910 | 9920 | 9930 | 9940 | 9950 | 9960 | 9970 | 9980 | 9990 | 10000 | 10010 | 10020 | 10030 | 10040 | 10050 | 10060 | 10070 | 10080 | 10090 | 10100 | 10110 | 10120 | 10130 | 10140 | 10150 | 10160 | 10170 | 10180 | 10190 | 10200 | 10210 | 10220 | 10230 | 10240 | 10250 | 10260 | 10270 | 10280 | 10290 | 10300 | 10310 | 10320 | 10330 | 10340 | 10350 | 10360 | 10370 | 10380 | 10390 | 10400 | 10410 | 10420 | 10430 | 10440 | 10450 | 10460 | 10470 | 10480 | 10490 | 10500 | 10510 | 10520 | 10530 | 10540 | 10550 | 10560 | 10570 | 10580 | 10590 | 10600 | 10610 | 10620 | 10630 | 10640 | 10650 | 10660 | 10670 | 10680 | 10690 | 10700 | 10710 | 10720 | 10730 | 10740 | 10750 | 10760 | 10770 | 10780 | 10790 | 10800 | 10810 | 10820 | 10830 | 10840 | 10850 | 10860 | 10870 | 10880 | 10890 | 10900 | 10910 | 10920 | 10930 | 10940 | 10950 | 10960 | 10970 | 10980 | 10990 | 11000 | 11010 | 11020 | 11030 | 11040 | 11050 | 11060 | 11070 | 11080 | 11090 | 11100 | 11110 | 11120 | 11130 | 11140 | 11150 | 11160 | 11170 | 11180 | 11190 | 11200 | 11210 | 11220 | 11230 | 11240 | 11250 | 11260 | 11270 | 11280 | 11290 | 11300 | 11310 | 11320 | 11330 | 11340 | 11350 | 11360 | 11370 | 11380 | 11390 | 11400 | 11410 | 11420 | 11430 | 11440 | 11450 | 11460 | 11470 | 11480 | 11490 | 11500 | 11510 | 11520 | 11530 | 11540 | 11550 | 11560 | 11570 | 11580 | 11590 | 11600 | 11610 | 11620 | 11630 | 11640 | 11650 | 11660 | 11670 | 11680 | 11690 | 11700 | 11710 | 11720 | 11730 | 11740 | 11750 | 11760 | 11770 | 11780 | 11790 | 11800 | 11810 | 11820 | 11830 | 11840 | 11850 | 11860 | 11870 | 11880 | 11890 | 11900 | 11910 | 11920 | 11930 | 11940 | 11950 | 11960 | 11970 | 11980 | 11990 | 12000 | 12010 | 12020 | 12030 | 12040 | 12050 | 12060 | 12070 | 12080 | 12090 | 12100 | 12110 | 12120 | 12130 | 12140 | 12150 | 12160 | 12170 | 12180 | 12190 | 12200 | 12210 | 12220 | 12230 | 12240 | 12250 | 12260 | 12270 | 12280 | 12290 | 12300 | 12310 | 12320 | 12330 | 12340 | 12350 | 12360 | 12370 | 12380 | 12390 | 12400 | 12410 | 12420 | 12430 | 12440 | 12450 | 12460 | 12470 | 12480 | 12490 | 12500 | 12510 | 12520 | 12530 | 12540 | 12550 | 12560 | 12570 | 12580 | 12590 | 12600 | 12610 | 12620 | 12630 | 12640 | 12650 | 12660 | 12670 | 12680 | 12690 | 12700 | 12710 | 12720 | 12730 | 12740 | 12750 | 12760 | 12770 | 12780 | 12790 | 12800 | 12810 | 12820 | 12830 | 12840 | 12850 | 12860 | 12870 | 12880 | 12890 | 12900 | 12910 | 12920 | 12930 | 12940 | 12950 | 12960 | 12970 | 12980 | 12990 | 13000 | 13010 | 13020 | 13030 | 13040 | 13050 | 13060 | 13070 | 13080 | 13090 | 13100 | 13110 | 13120 | 13130 | 13140 | 13150 | 13160 | 13170 | 13180 | 13190 | 13200 | 13210 | 13220 | 13230 | 13240 | 13250 | 13260 | 13270 | 13280 | 13290 | 13300 | 13310 | 13320 | 13330 | 13340 | 13350 | |
|------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--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SOURCE SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| SPL INPUT AT STD | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 140 | 160 | 180 | 0 | 90 | 0 | 0 |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| REV, ALPHA 12/73 | FREQ | (0.32) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) |
| NO EGA | 50 | 53.8 | 58.1 | 61.5 | 59.7 | 62.4 | 61.7 | 63.2 | 65.0 | 68.6 | 66.9 | 64.2 | 67.9 | 69.9 | 65.8 | |
| SIDELINE 2400, FT. | 63 | 52.1 | 55.9 | 59.2 | 59.0 | 60.7 | 61.8 | 63.8 | 64.4 | 68.7 | 66.5 | 66.9 | 70.2 | 69.4 | 66.6 | |
| (731.52 H) | 80 | 53.5 | 57.5 | 59.6 | 59.7 | 61.9 | 62.1 | 64.6 | 65.7 | 68.6 | 66.2 | 66.1 | 68.1 | 68.1 | 66.0 | |
| NFA | 100 | 54.8 | 58.3 | 59.4 | 61.6 | 62.4 | 62.8 | 63.9 | 66.2 | 68.9 | 68.9 | 69.5 | 68.7 | 67.0 | 65.9 | |
| (0, RPM) | 125 | 55.5 | 58.2 | 59.9 | 61.7 | 62.8 | 63.7 | 64.8 | 66.1 | 68.4 | 68.4 | 67.6 | 66.9 | 66.5 | 60.9 | |
| (0, RAD/SEC) | 160 | 54.7 | 58.8 | 60.1 | 61.5 | 61.9 | 63.3 | 64.7 | 65.6 | 68.1 | 67.1 | 67.6 | 67.1 | 64.1 | 57.6 | |
| NFK | 200 | 54.2 | 58.2 | 60.3 | 61.5 | 62.1 | 64.3 | 64.7 | 65.8 | 68.9 | 66.5 | 67.0 | 65.1 | 61.3 | 54.7 | |
| (0, RAD/SEC) | 250 | 56.0 | 58.5 | 60.2 | 63.0 | 64.1 | 65.0 | 64.8 | 65.2 | 68.4 | 66.0 | 65.8 | 64.9 | 60.2 | 53.3 | |
| NFD | 315 | 57.3 | 58.9 | 62.4 | 62.9 | 63.3 | 64.8 | 65.0 | 65.8 | 68.0 | 66.2 | 64.9 | 62.8 | 58.6 | 52.6 | |
| (0, RAD/SEC) | 400 | 52.2 | 58.6 | 61.1 | 63.3 | 63.8 | 64.0 | 64.4 | 65.6 | 68.0 | 67.2 | 65.0 | 61.9 | 56.3 | 50.0 | |
| AIRFLOW RATIO | 500 | 50.7 | 57.2 | 61.5 | 62.9 | 64.1 | 64.2 | 64.7 | 65.9 | 68.7 | 67.7 | 65.5 | 60.3 | 55.1 | 47.9 | |
| HF/HM 8.00 | 630 | 52.5 | 57.9 | 63.1 | 64.4 | 64.8 | 65.3 | 65.5 | 66.5 | 67.6 | 67.6 | 68.4 | 61.7 | 56.7 | 49.5 | |
| | 800 | 54.2 | 62.4 | 64.8 | 66.4 | 66.9 | 67.3 | 66.9 | 68.4 | 68.1 | 69.7 | 68.9 | 62.8 | 58.0 | 50.1 | |
| VEHICLE JENOTS | 1000 | 47.5 | 57.3 | 60.9 | 63.2 | 65.5 | 66.2 | 66.3 | 68.3 | 69.8 | 69.9 | 67.3 | 59.5 | 53.9 | 45.8 | |
| CONFIG JE-058 | 1250 | 45.3 | 55.2 | 60.3 | 62.8 | 64.7 | 65.4 | 65.8 | 67.6 | 68.8 | 70.7 | 67.0 | 58.2 | 52.2 | 42.9 | |
| LOC EVENDALE | 1600 | 42.1 | 55.2 | 59.5 | 61.4 | 63.2 | 63.9 | 64.2 | 66.3 | 68.3 | 67.9 | 65.2 | 55.4 | 49.4 | 39.7 | |
| DATE 04-29-78 | 2000 | 38.6 | 58.8 | 56.4 | 57.4 | 60.2 | 60.7 | 61.8 | 63.1 | 62.3 | 64.4 | 61.4 | 51.8 | 45.4 | 34.5 | |
| RUN DBTP-MODEL 5 | 2500 | 30.6 | 48.8 | 50.7 | 52.7 | 54.6 | 55.7 | 57.0 | 58.1 | 59.5 | 59.7 | 55.4 | 46.0 | 39.1 | 26.0 | |
| TARE X50320 | 3150 | 21.9 | 48.1 | 46.4 | 48.6 | 49.7 | 50.5 | 52.3 | 52.7 | 53.6 | 53.3 | 47.7 | 38.3 | 31.4 | 15.9 | |
| FAN TIP SPEED | 4000 | 8.9 | 29.2 | 36.7 | 40.2 | 40.7 | 43.3 | 44.5 | 45.6 | 44.6 | 44.7 | 38.0 | 27.7 | 17.8 | | |
| ET/SEC | 5000 | | 29.3 | 34.2 | 35.2 | 36.7 | 38.9 | 39.6 | 39.6 | 39.2 | 37.8 | 30.7 | 19.7 | 8.8 | | |
| | 6300 | | 8.8 | 15.3 | 21.1 | 24.5 | 26.7 | 29.3 | 29.7 | 28.8 | 26.7 | 16.4 | 9.4 | | | |
| | 8000 | | | | 2.8 | 10.2 | 13.0 | 15.6 | 16.1 | 12.7 | 11.8 | | | | | |
| | 10000 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 85.8 | 78.2 | 73.3 | 74.7 | 75.8 | 76.6 | 77.1 | 78.5 | 79.1 | 80.3 | 79.1 | 77.6 | 76.3 | 72.8 | |
| PND8 | | 88.3 | 78.9 | 72.4 | 81.5 | 82.8 | 83.6 | 84.4 | 85.7 | 86.1 | 87.3 | 85.0 | 79.1 | 74.7 | 69.1 | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL | | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | RHL | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|-----|-----|-----|-----|-----|-----|-----|
| SRL INPUT AT STD | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| REV, ALPHA 12/73 | | FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (0) | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| NO EGA | | 30 | 81.4 | 79.7 | 83.6 | 82.7 | 84.9 | 84.7 | 85.8 | 87.8 | 89.6 | 92.1 | 90.3 | 96.3 | 100.5 | 97.4 | 130.7 | | | | | | | | |
| RQG, NO, 0 | | 63 | 81.6 | 83.3 | 84.6 | 83.8 | 84.7 | 85.6 | 87.7 | 89.0 | 90.4 | 91.9 | 94.2 | 98.6 | 99.8 | 96.8 | 131.4 | | | | | | | | |
| RADIAL 320, FT | | 80 | 82.8 | 84.4 | 85.4 | 84.4 | 85.4 | 85.2 | 88.3 | 89.4 | 90.9 | 91.7 | 94.4 | 97.1 | 98.9 | 95.5 | 130.9 | | | | | | | | |
| (98, M) | | 100 | 83.5 | 84.7 | 85.6 | 86.3 | 86.5 | 86.3 | 87.4 | 90.4 | 92.5 | 94.5 | 96.7 | 96.8 | 97.0 | 96.2 | 131.4 | | | | | | | | |
| VEHICLE JENQTS | | 125 | 84.3 | 84.9 | 86.5 | 85.9 | 86.3 | 87.7 | 89.2 | 89.6 | 91.4 | 94.1 | 95.2 | 95.4 | 94.6 | 92.4 | 130.4 | | | | | | | | |
| CONFIG JE-058 | | 160 | 84.3 | 84.9 | 86.1 | 86.0 | 86.5 | 86.9 | 89.2 | 90.2 | 91.2 | 94.1 | 96.1 | 96.0 | 93.2 | 90.2 | 130.2 | | | | | | | | |
| LOC EVENDALE | | 200 | 83.6 | 84.7 | 85.9 | 86.7 | 86.8 | 88.2 | 89.5 | 90.5 | 91.1 | 93.8 | 95.1 | 94.2 | 92.4 | 88.7 | 120.0 | | | | | | | | |
| BAYE 04-29-75 | | 250 | 85.3 | 85.1 | 85.5 | 87.7 | 88.0 | 88.9 | 88.8 | 90.3 | 91.2 | 93.6 | 94.7 | 93.5 | 91.1 | 88.3 | 149.8 | | | | | | | | |
| RUN DBTF=MODEL % | | 315 | 84.6 | 86.3 | 87.3 | 86.7 | 87.9 | 88.7 | 89.7 | 90.7 | 92.6 | 94.6 | 93.3 | 93.0 | 90.2 | 88.0 | 149.9 | | | | | | | | |
| TAPE X50348 | | 400 | 83.3 | 80.2 | 87.3 | 88.5 | 88.9 | 88.9 | 89.6 | 91.2 | 93.1 | 95.9 | 93.0 | 91.7 | 89.6 | 86.9 | 130.3 | | | | | | | | |
| BAR 29.9 HG | | 500 | 82.3 | 85.8 | 87.6 | 88.4 | 89.0 | 89.4 | 90.5 | 92.8 | 94.1 | 96.5 | 92.6 | 90.6 | 88.9 | 86.8 | 130.8 | | | | | | | | |
| (99786, N/M2) | | 630 | 83.6 | 84.3 | 89.4 | 90.9 | 90.9 | 91.4 | 91.9 | 93.9 | 94.7 | 98.6 | 93.0 | 90.5 | 89.6 | 87.7 | 132.6 | | | | | | | | |
| TAMB 68, DEG F | | 800 | 86.9 | 93.7 | 95.2 | 96.3 | 96.3 | 95.4 | 93.8 | 95.6 | 98.0 | 99.9 | 94.3 | 93.1 | 92.8 | 89.8 | 135.3 | | | | | | | | |
| (293, DEG K) | | 1000 | 84.3 | 98.1 | 91.9 | 92.4 | 92.9 | 93.7 | 93.8 | 96.5 | 98.9 | 100.5 | 94.8 | 91.3 | 90.9 | 89.0 | 134.8 | | | | | | | | |
| TWBT 54, DEG F | | 1250 | 85.3 | 91.3 | 93.1 | 92.9 | 93.8 | 94.5 | 95.3 | 97.4 | 100.2 | 102.3 | 96.0 | 91.8 | 91.0 | 89.6 | 136.2 | | | | | | | | |
| (285, DEG K) | | 1600 | 86.4 | 92.7 | 94.0 | 93.5 | 94.6 | 95.1 | 95.9 | 98.3 | 100.2 | 103.0 | 96.9 | 93.1 | 91.3 | 89.7 | 137.0 | | | | | | | | |
| HACT 0, GM/M3 | | 2000 | 86.0 | 90.8 | 92.0 | 92.6 | 94.3 | 95.0 | 95.9 | 98.9 | 100.7 | 102.6 | 97.2 | 92.8 | 90.5 | 87.9 | 137.1 | | | | | | | | |
| F, KG/M3 | | 2500 | 85.7 | 90.5 | 91.9 | 92.7 | 93.5 | 93.9 | 95.1 | 96.8 | 99.5 | 100.5 | 95.9 | 91.9 | 89.7 | 87.5 | 136.0 | | | | | | | | |
| FREQ, SHIFT | | 3150 | 84.7 | 90.1 | 91.9 | 93.0 | 92.7 | 94.0 | 94.4 | 95.7 | 96.9 | 98.2 | 93.7 | 89.8 | 88.4 | 85.6 | 135.0 | | | | | | | | |
| JET 9 | | 4000 | 81.4 | 85.9 | 88.2 | 89.9 | 90.2 | 91.8 | 92.6 | 93.3 | 93.7 | 95.2 | 90.3 | 86.9 | 85.5 | 81.6 | 132.9 | | | | | | | | |
| DIAMETER RATIO | | 5000 | 78.4 | 84.3 | 85.3 | 87.4 | 87.7 | 88.5 | 89.7 | 90.1 | 91.4 | 92.0 | 87.2 | 83.6 | 82.6 | 79.6 | 130.5 | | | | | | | | |
| DP/DH 8.00 | | 6300 | 75.9 | 80.8 | 82.1 | 84.1 | 83.8 | 84.6 | 86.9 | 87.6 | 88.3 | 90.0 | 84.7 | 81.7 | 80.5 | 78.1 | 128.1 | | | | | | | | |
| OVERALL CALCULATED | | 8000 | 73.8 | 77.0 | 78.6 | 80.6 | 80.1 | 81.4 | 82.9 | 85.4 | 85.9 | 88.6 | 81.9 | 80.8 | 80.5 | 78.6 | 128.3 | | | | | | | | |
| PNDB | | 10000 | 70.5 | 75.2 | 77.2 | 76.2 | 75.7 | 77.1 | 78.7 | 83.6 | 83.3 | 88.3 | 80.1 | 81.6 | 81.6 | 79.5 | 129.1 | | | | | | | | |
| | | | 97.5 | 102.7 | 103.2 | 103.8 | 104.4 | 104.8 | 105.5 | 107.4 | 107.4 | 111.4 | 107.8 | 107.3 | 107.3 | 104.8 | 106.8 | | | | | | | | |
| | | | 169.1 | 118.8 | 119.3 | 116.3 | 116.5 | 117.4 | 118.1 | 119.8 | 123.7 | 123.4 | 119.2 | 119.5 | 119.1 | 112.7 | | | | | | | | | |

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ORIGINAL PAGE IS
OF POOR QUALITY

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL HUM, DAY) | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
| SRL INPUT AT STD | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| REV, ALPHA 12/73 | | FREQ, (0.72) | (0.70) | (0.67) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) |
| NO EGA | | 50 | 57.6 | 58.1 | 63.5 | 63.7 | 66.7 | 66.9 | 68.2 | 70.0 | 71.8 | 73.1 | 70.2 | 74.7 | 76.6 | 70.1 | |
| SIDELINE 2400, FT, | | 63 | 57.6 | 61.7 | 64.5 | 64.8 | 66.5 | 67.8 | 70.0 | 71.1 | 72.2 | 73.0 | 74.1 | 77.0 | 75.9 | 69.4 | |
| (731.32 M) | | 80 | 58.5 | 62.7 | 65.3 | 65.4 | 67.2 | 67.4 | 70.6 | 71.5 | 72.6 | 72.7 | 74.3 | 75.3 | 74.9 | 68.0 | |
| NPA 0, RPM | | 100 | 59.3 | 62.8 | 65.4 | 67.1 | 68.1 | 68.3 | 69.6 | 72.4 | 73.2 | 75.4 | 76.5 | 74.9 | 72.8 | 68.4 | |
| (0, RAD/SEC) | | 125 | 60.0 | 62.2 | 66.2 | 66.7 | 67.5 | 69.7 | 71.3 | 71.6 | 72.9 | 74.9 | 74.9 | 73.4 | 70.3 | 64.4 | |
| NPK 0, RPM | | 160 | 59.9 | 62.6 | 65.6 | 66.7 | 67.9 | 68.8 | 71.2 | 72.1 | 72.6 | 74.8 | 75.6 | 73.9 | 68.6 | 61.8 | |
| (0, RAD/SEC) | | 200 | 58.7 | 63.4 | 65.3 | 67.3 | 68.1 | 70.0 | 71.4 | 72.3 | 72.4 | 74.3 | 74.5 | 71.9 | 67.6 | 60.0 | |
| NPD 0, RPM | | 250 | 60.2 | 62.5 | 64.7 | 68.0 | 69.1 | 70.5 | 70.5 | 71.9 | 72.4 | 74.0 | 73.8 | 70.9 | 66.0 | 59.1 | |
| (0, RAD/SEC) | | 315 | 59.0 | 63.4 | 66.2 | 66.9 | 68.8 | 70.1 | 71.3 | 72.1 | 73.5 | 74.7 | 72.2 | 70.1 | 64.6 | 58.1 | |
| AIRFLOW RATIO | | 400 | 57.2 | 62.9 | 65.9 | 68.3 | 69.6 | 70.0 | 70.9 | 72.3 | 73.8 | 75.7 | 71.5 | 68.4 | 63.5 | 56.2 | |
| WF/WB 8.00 | | 500 | 55.5 | 62.0 | 65.7 | 67.9 | 69.3 | 70.2 | 71.4 | 73.6 | 74.5 | 76.0 | 70.8 | 66.8 | 62.1 | 55.2 | |
| | | 630 | 56.0 | 63.9 | 67.1 | 69.9 | 70.8 | 71.8 | 72.5 | 74.3 | 76.6 | 77.6 | 70.7 | 66.0 | 62.0 | 54.7 | |
| | | 800 | 58.2 | 68.4 | 72.1 | 74.7 | 75.7 | 75.3 | 73.9 | 75.4 | 77.3 | 78.2 | 71.2 | 67.8 | 64.0 | 55.1 | |
| VEHICLE JENOTS | | 1000 | 54.2 | 63.8 | 67.9 | 70.0 | 71.5 | 72.9 | 73.3 | 75.8 | 77.5 | 78.1 | 70.8 | 63.0 | 60.4 | 52.3 | |
| CONFIG JE-058 | | 1250 | 53.5 | 63.6 | 68.0 | 69.6 | 71.7 | 72.9 | 74.0 | 75.8 | 78.1 | 79.0 | 71.0 | 64.2 | 59.2 | 50.4 | |
| LOC EVENDALE | | 1600 | 52.1 | 63.2 | 67.5 | 68.9 | 71.2 | 72.4 | 73.4 | 75.6 | 78.8 | 78.4 | 70.4 | 63.7 | 57.1 | 46.9 | |
| DATE 04-29-75 | | 2000 | 48.9 | 59.1 | 63.7 | 66.4 | 69.7 | 71.0 | 72.1 | 74.8 | 75.8 | 76.4 | 68.9 | 61.1 | 53.4 | 40.7 | |
| RUN DBTF=MODEL 5 | | 2500 | 44.4 | 55.6 | 60.9 | 64.2 | 66.6 | 67.9 | 69.3 | 70.8 | 72.5 | 72.0 | 64.9 | 57.0 | 48.4 | 34.0 | |
| TARE X50340 | | 3150 | 36.6 | 50.1 | 56.7 | 60.8 | 62.5 | 64.8 | 65.5 | 66.4 | 68.6 | 66.0 | 58.5 | 49.8 | 40.4 | 22.1 | |
| FAN TIP SPEED | | 4000 | 23.2 | 39.2 | 46.7 | 52.2 | 54.9 | 57.8 | 59.0 | 59.3 | 58.4 | 57.5 | 48.8 | 39.2 | 27.3 | 3.0 | |
| FT/SEC | | 5000 | 24.5 | 32.1 | 40.1 | 46.5 | 49.5 | 51.7 | 53.4 | 53.3 | 53.2 | 51.1 | 42.0 | 31.4 | 18.6 | | |
| | | 6300 | | 15.6 | 26.1 | 33.8 | 37.0 | 39.7 | 42.6 | 42.7 | 42.5 | 39.7 | 28.7 | 16.4 | | | |
| | | 8000 | | | 6.0 | 15.8 | 20.2 | 24.0 | 26.3 | 28.1 | 28.9 | 23.8 | 9.3 | | | | |
| | | 10000 | | | | | | 2.4 | 5.1 | 8.9 | 4.0 | 3.4 | | | | | |
| OVERALL CALCULATED | | | 70.0 | 75.6 | 79.1 | 81.0 | 82.5 | 83.4 | 84.3 | 86.0 | 87.4 | 88.5 | 85.3 | 84.2 | 82.4 | 76.1 | |
| PNDB | | | 73.9 | 82.4 | 82.7 | 83.8 | 91.0 | 92.2 | 93.3 | 95.3 | 98.4 | 97.2 | 91.4 | 86.4 | 81.4 | 73.7 | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA PROC DATE = MONTH 79 DAY 0 HR 046
 DEGR, F, 70 PERCENT REL, HQ, DAY = JENQTS

| SRL INPUT AT STD | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 120' | 140' | 160' | 180' | 200' | 220' | 240' | 260' | 280' | 300' | 320' | 340' | 360' | 380' | 400' | 420' | 440' | 460' | 480' | 500' | 520' | 540' | 560' | 580' | 600' | 620' | 640' | 660' | 680' | 700' | 720' | 740' | 760' | 780' | 800' | 820' | 840' | 860' | 880' | 900' | 920' | 940' | 960' | 980' | 1000' | 1020' | 1040' | 1060' | 1080' | 1100' | 1120' | 1140' | 1160' | 1180' | 1200' | 1220' | 1240' | 1260' | 1280' | 1300' | 1320' | 1340' | 1360' | 1380' | 1400' | 1420' | 1440' | 1460' | 1480' | 1500' | 1520' | 1540' | 1560' | 1580' | 1600' | 1620' | 1640' | 1660' | 1680' | 1700' | 1720' | 1740' | 1760' | 1780' | 1800' | 1820' | 1840' | 1860' | 1880' | 1900' | 1920' | 1940' | 1960' | 1980' | 2000' | 2020' | 2040' | 2060' | 2080' | 2100' | 2120' | 2140' | 2160' | 2180' | 2200' | 2220' | 2240' | 2260' | 2280' | 2300' | 2320' | 2340' | 2360' | 2380' | 2400' | 2420' | 2440' | 2460' | 2480' | 2500' | 2520' | 2540' | 2560' | 2580' | 2600' | 2620' | 2640' | 2660' | 2680' | 2700' | 2720' | 2740' | 2760' | 2780' | 2800' | 2820' | 2840' | 2860' | 2880' | 2900' | 2920' | 2940' | 2960' | 2980' | 3000' | 3020' | 3040' | 3060' | 3080' | 3100' | 3120' | 3140' | 3160' | 3180' | 3200' | 3220' | 3240' | 3260' | 3280' | 3300' | 3320' | 3340' | 3360' | 3380' | 3400' | 3420' | 3440' | 3460' | 3480' | 3500' | 3520' | 3540' | 3560' | 3580' | 3600' | 3620' | 3640' | 3660' | 3680' | 3700' | 3720' | 3740' | 3760' | 3780' | 3800' | 3820' | 3840' | 3860' | 3880' | 3900' | 3920' | 3940' | 3960' | 3980' | 4000' | 4020' | 4040' | 4060' | 4080' | 4100' | 4120' | 4140' | 4160' | 4180' | 4200' | 4220' | 4240' | 4260' | 4280' | 4300' | 4320' | 4340' | 4360' | 4380' | 4400' | 4420' | 4440' | 4460' | 4480' | 4500' | 4520' | 4540' | 4560' | 4580' | 4600' | 4620' | 4640' | 4660' | 4680' | 4700' | 4720' | 4740' | 4760' | 4780' | 4800' | 4820' | 4840' | 4860' | 4880' | 4900' | 4920' | 4940' | 4960' | 4980' | 5000' | 5020' | 5040' | 5060' | 5080' | 5100' | 5120' | 5140' | 5160' | 5180' | 5200' | 5220' | 5240' | 5260' | 5280' | 5300' | 5320' | 5340' | 5360' | 5380' | 5400' | 5420' | 5440' | 5460' | 5480' | 5500' | 5520' | 5540' | 5560' | 5580' | 5600' | 5620' | 5640' | 5660' | 5680' | 5700' | 5720' | 5740' | 5760' | 5780' | 5800' | 5820' | 5840' | 5860' | 5880' | 5900' | 5920' | 5940' | 5960' | 5980' | 6000' | 6020' | 6040' | 6060' | 6080' | 6100' | 6120' | 6140' | 6160' | 6180' | 6200' | 6220' | 6240' | 6260' | 6280' | 6300' | 6320' | 6340' | 6360' | 6380' | 6400' | 6420' | 6440' | 6460' | 6480' | 6500' | 6520' | 6540' | 6560' | 6580' | 6600' | 6620' | 6640' | 6660' | 6680' | 6700' | 6720' | 6740' | 6760' | 6780' | 6800' | 6820' | 6840' | 6860' | 6880' | 6900' | 6920' | 6940' | 6960' | 6980' | 7000' | 7020' | 7040' | 7060' | 7080' | 7100' | 7120' | 7140' | 7160' | 7180' | 7200' | 7220' | 7240' | 7260' | 7280' | 7300' | 7320' | 7340' | 7360' | 7380' | 7400' | 7420' | 7440' | 7460' | 7480' | 7500' | 7520' | 7540' | 7560' | 7580' | 7600' | 7620' | 7640' | 7660' | 7680' | 7700' | 7720' | 7740' | 7760' | 7780' | 7800' | 7820' | 7840' | 7860' | 7880' | 7900' | 7920' | 7940' | 7960' | 7980' | 8000' | 8020' | 8040' | 8060' | 8080' | 8100' | 8120' | 8140' | 8160' | 8180' | 8200' | 8220' | 8240' | 8260' | 8280' | 8300' | 8320' | 8340' | 8360' | 8380' | 8400' | 8420' | 8440' | 8460' | 8480' | 8500' | 8520' | 8540' | 8560' | 8580' | 8600' | 8620' | 8640' | 8660' | 8680' | 8700' | 8720' | 8740' | 8760' | 8780' | 8800' | 8820' | 8840' | 8860' | 8880' | 8900' | 8920' | 8940' | 8960' | 8980' | 9000' | 9020' | 9040' | 9060' | 9080' | 9100' | 9120' | 9140' | 9160' | 9180' | 9200' | 9220' | 9240' | 9260' | 9280' | 9300' | 9320' | 9340' | 9360' | 9380' | 9400' | 9420' | 9440' | 9460' | 9480' | 9500' | 9520' | 9540' | 9560' | 9580' | 9600' | 9620' | 9640' | 9660' | 9680' | 9700' | 9720' | 9740' | 9760' | 9780' | 9800' | 9820' | 9840' | 9860' | 9880' | 9900' | 9920' | 9940' | 9960' | 9980' | 10000' | 10020' | 10040' | 10060' | 10080' | 10100' | 10120' | 10140' | 10160' | 10180' | 10200' | 10220' | 10240' | 10260' | 10280' | 10300' | 10320' | 10340' | 10360' | 10380' | 10400' | 10420' | 10440' | 10460' | 10480' | 10500' | 10520' | 10540' | 10560' | 10580' | 10600' | 10620' | 10640' | 10660' | 10680' | 10700' | 10720' | 10740' | 10760' | 10780' | 10800' | 10820' | 10840' | 10860' | 10880' | 10900' | 10920' | 10940' | 10960' | 10980' | 11000' | 11020' | 11040' | 11060' | 11080' | 11100' | 11120' | 11140' | 11160' | 11180' | 11200' | 11220' | 11240' | 11260' | 11280' | 11300' | 11320' | 11340' | 11360' | 11380' | 11400' | 11420' | 11440' | 11460' | 11480' | 11500' | 11520' | 11540' | 11560' | 11580' | 11600' | 11620' | 11640' | 11660' | 11680' | 11700' | 11720' | 11740' | 11760' | 11780' | 11800' | 11820' | 11840' | 11860' | 11880' | 11900' | 11920' | 11940' | 11960' | 11980' | 12000' | 12020' | 12040' | 12060' | 12080' | 12100' | 12120' | 12140' | 12160' | 12180' | 12200' | 12220' | 12240' | 12260' | 12280' | 12300' | 12320' | 12340' | 12360' | 12380' | 12400' | 12420' | 12440' | 12460' | 12480' | 12500' | 12520' | 12540' | 12560' | 12580' | 12600' | 12620' | 12640' | 12660' | 12680' | 12700' | 12720' | 12740' | 12760' | 12780' | 12800' | 12820' | 12840' | 12860' | 12880' | 12900' | 12920' | 12940' | 12960' | 12980' | 13000' | 13020' | 13040' | 13060' | 13080' | 13100' | 13120' | 13140' | 13160' | 13180' | 13200' | 13220' | 13240' | 13260' | 13280' | 13300' | 13320' | 13340' | 13360' | 13380' | 13400' | 13420' | 13440' | 13460' | 13480' | 13500' | 13520' | 13540' | 13560' | 13580' | 13600' | 13620' | 13640' | 13660' | 13680' | 13700' | 13720' | 13740' | 13760' | 13780' | 13800' | 13820' | 13840' | 13860' | 13880' | 13900' | 13920' | 13940' | 13960' | 13980' | 14000' | 14020' | 14040' | 14060' | 14080' | 14100' | 14120' | 14140' | 14160' | 14180' | 14200' | 14220' | 14240' | 14260' | 14280' | 14300' | 14320' | 14340' | 14360' | 14380' | 14400' | 14420' | 14440' | 14460' | 14480' | 14500' | 14520' | 14540' | 14560' | 14580' | 14600' | 14620' | 14640' | 14660' | 14680' | 14700' | 14720' | 14740' | 14760' | 14780' | 14800' | 14820' | 14840' | 14860' | 14880' | 14900' | 14920' | 14940' | 14960' | 14980' | 15000' | 15020' | 15040' | 15060' | 15080' | 15100' | 15120' | 15140' | 15160' | 15180' | 15200' | 15220' | 15240' | 15260' | 15280' | 15300' | 15320' | 15340' | 15360' | 15380' | 15400' | 15420' | 15440' | 15460' | 15480' | 15500' | 15520' | 15540' | 15560' | 15580' | 15600' | 15620' | 15640' | 15660' | 15680' | 15700' | 15720' | 15740' | 15760' | 15780' | 15800' | 15820' | 15840' | 15860' | 15880' | 15900' | 15920' | 15940' | 15960' | 15980' | 16000' | 16020' | 16040' | 16060' | 16080' | 16100' | 16120' | 16140' | 16160' | 16180' | 16200' | 16220' | 16240' | 16260' | 16280' | 16300' | 16320' | 16340' | 16360' | 16380' | 16400' | 16420' | 16440' | 16460' | 16480' | 16500' | 16520' | 16540' | 16560' | 16580' | 16600' | 16620' | 16640' | 16660' | 16680' | 16700' | 16720' | 16740' | 16760' | 16780' | 16800' | 16820' | 16840' | 16860' | 16880' | 16900' | 16920' | 16940' | 16960' | 16980' | 17000' | 17020' | 17040' | 17060' | 17080' | 17100' | 17120' | 17140' | 17160' | 17180' | 17200' | 17220' | 17240' | 17260' | 17280' | 17300' | 17320' | 17340' | 17360' | 17380' | 17400' | 17420' | 17440' | 17460' | 17480' | 17500' | 17520' | 17540' | 17560' | 17580' | 17600' | 17620' | 17640' | 17660' | 17680' | 17700' | 17720' | 17740' | 17760' | 17780' | 17800' | 17820' | 17840' | 17860' | 17880' | 17900' | 17920' | 17940' | 17960' | 17980' | 18000' | 18020' | 18040' | 18060' | 18080' | 18100' | 18120' | 18140' | 18160' | 18180' | 18200' | 18220' | 18240' | 18260' | 18280' | 18300' | 18320' | 18340' | 18360' | 18380' | 18400' | 18420' | 18440' | 18460' | 18480' | 18500' | 18520' | 18540' | 18560' | 18580' | 18600' | 18620' | 18640' | 18660' | 18680' | 18700' | 18720' | 18740' | 18760' | 18780' | 18800' | 18820' | 18840' | 18860' | 18880' | 18900' | 18920' | 18940' | 18960' | 18980' | 19000' | 19020' | 19040' | 19060' | 19080' | 19100' | 19120' | 19140' | 19160' | 19180' | 19200' | 19220' | 19240' | 19260' | 19280' | 19300' | 19320' | 19340' | 19360' | 19380' | 19400' | 19420' | 19440' | 19460' | 19480' | 19500' | 19520' | 19540' | 19560' | 19580' | 19600' | 19620' | 19640' | 19660' | 19680' | 19700' | 19720' | 19740' | 19760' | 19780' | 19800' | 19820' | 19840' | 19860' | 19880' | 19900' | 19920' | 19940' | 19960' | 19980' | 20000' | 20020' | 20040' | 20060' | 20080' | 20100' | 20120' | 20140' | 20160' | 20180' | 20200' | 20220' | 20240' | 20260' | 20280' | 20300' | 20320' | 20340' | 20360' | 20380' | 20400' | 20420' | 20440' | 20460' | 20480' | 20500' | 20520' | 20540' | 20560' | 20580' | 20600' | 20620' | 20640' | 20660' | 20680' | 20700' | 20720' | 20740' | 20760' | 20780' | 20800' | 20820' | 20840' | 20860' | 20880' | 20900' | 20920' | 20940' | 20960' | 20980' | 21000' | 21020' | 21040' | 21060' | 21080' | 21100' | 21120' | 21140' | 21160' | 21180' | 21200' | 21220' | 21240' | 21260' | 21280' | 21300' | 21320' | 21340' | 21360' | 21380' | 21400' | 21420' | 21440' | 21460' | 21480' | 21500' | 21520' | 21540' | 21560' | 21580' | 21600' | 21620' | 21640' | 21660' | 21680' | 21700' | 21720' | 21740' | 21760' | 21780' | 21800' | 21820' | 21840' | 21860' | 21880' | 21900' | 21920' | 21940' | 21960' | 21980' | 22000' | 22020' | 22040' | 22060' | 22080' | 22100' | 22120' | 22140' | 22160' | 22180' | 22200' | 22220' | 22240' | 22260' | 22280' | 22300' | 22320' | 22340' | 22360' | 22380' | 22400' | 22420' | 22440' | 22460' | 22480' | 22500' | 22520' | 22540' | 22560' | 22580' | 22600' | 22620' | 22640' | 22660' | 22680' | 22700' | 22720' | 22740' | 22760' | 22780' | 22800' | 22820' | 22840' | 22860' | 22880' | 22900' | 22920' | 22940' | 22960' | 22980' | 23000' | 23020' | 23040' | 23060' | 23080' | 23100' | 23120' | 23140' | 23160' | 23180' | 23200' | 23220' | 23240' | 23260' | 23280' | 23300' | 23320' | 23340' | 23360' | 23380' | 23400' | 23420' | 23440' | 23460' | 23480' | 23500' | 23520' | 23540' | 23560' | 23580' | 23600' | 23620' | 23640' | 23660' | 23680' | 23700' | 23720' | 23740' | 23760' | 23780' | 23800' | 23820' | 23840' | 23860' | 23880' | 23900' | 23920' | 23940' | 23960' | 23980' | 24000' | 24020' | 24040' | 24060' | 24080' | 24100' | 24120' | 24140' | 24160' | 24180' | 24200' | 24220' | 24240' | 24260' | 24280' | 24300' | 24320' | 24340' | 24360' | 24380' | 24400' | 24420' | 24440' | 24460' | 24480' | 24500' | 24520' | 24540' | 24560' | 24580' | 24600' | 24620' | 24640' | 24660' | 24680' | 24700' | 24720' | 24740' | 24760' | 24780' | 24800' | 24820' | 24840' | 24860' | 24880' | 24900' | 24920' | 24940' | 24960' | 24980' | 25000' | 25020' | 25040' | 25060' | 25080' | 25100' | 25120' | 25140' | 25160' | 25180' | 25200' | 25220' | 25240' | 25260' | 25280' | 25300' | 25320' | 25340' | 25360' | 25380' | 25400' | 25420' | 25440' | 25460' | 25480' |
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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99' DEG, F, 70 PERCENT REL HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| | | 30° (0.52) | 40° (0.70) | 50° (0.87) | 60° (1.05) | 70° (1.22) | 80° (1.40) | 90° (1.57) | 100° (1.75) | 110° (1.92) | 120° (2.09) | 130° (2.27) | 140° (2.44) | 150° (2.62) | 160° (2.79) | 170° (2.97) | 180° (3.14) | 190° (3.32) | 200° (3.49) | 210° (3.67) | |
| SPL INPUT AT STD | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | |
| REV, ALPHA 12/73 | FREQ | 57.6 | 57.9 | 58.5 | 59.0 | 59.4 | 59.7 | 60.2 | 60.6 | 61.0 | 61.4 | 61.8 | 62.2 | 62.6 | 63.0 | 63.4 | 63.8 | 64.2 | 64.6 | 65.0 | |
| NO EGA | 63 | 56.4 | 56.2 | 56.8 | 57.3 | 57.7 | 58.0 | 58.4 | 58.8 | 59.2 | 59.6 | 60.0 | 60.4 | 60.8 | 61.2 | 61.6 | 62.0 | 62.4 | 62.8 | 63.2 | |
| SIDELINE 2400, FT | 80 | 57.5 | 57.5 | 58.1 | 58.6 | 59.0 | 59.4 | 59.8 | 60.2 | 60.6 | 61.0 | 61.4 | 61.8 | 62.2 | 62.6 | 63.0 | 63.4 | 63.8 | 64.2 | 64.6 | |
| 731.52 M) | 100 | 58.0 | 58.0 | 58.6 | 59.1 | 59.5 | 59.9 | 60.3 | 60.7 | 61.1 | 61.5 | 61.9 | 62.3 | 62.7 | 63.1 | 63.5 | 63.9 | 64.3 | 64.7 | 65.1 | |
| NFA 01 RPM | 125 | 59.0 | 59.0 | 59.6 | 60.1 | 60.5 | 60.9 | 61.3 | 61.7 | 62.1 | 62.5 | 62.9 | 63.3 | 63.7 | 64.1 | 64.5 | 64.9 | 65.3 | 65.7 | 66.1 | |
| (0, RAD/SEC) | 160 | 58.2 | 58.2 | 58.8 | 59.3 | 59.7 | 60.1 | 60.5 | 60.9 | 61.3 | 61.7 | 62.1 | 62.5 | 62.9 | 63.3 | 63.7 | 64.1 | 64.5 | 64.9 | 65.3 | |
| NRK 01 RPM | 200 | 57.0 | 57.0 | 57.6 | 58.1 | 58.5 | 58.9 | 59.3 | 59.7 | 60.1 | 60.5 | 60.9 | 61.3 | 61.7 | 62.1 | 62.5 | 62.9 | 63.3 | 63.7 | 64.1 | |
| (0, RAD/SEC) | 250 | 58.7 | 58.7 | 59.3 | 59.8 | 60.2 | 60.6 | 61.0 | 61.4 | 61.8 | 62.2 | 62.6 | 63.0 | 63.4 | 63.8 | 64.2 | 64.6 | 65.0 | 65.4 | 65.8 | |
| NRD 01 RPM | 315 | 57.0 | 57.0 | 57.6 | 58.1 | 58.5 | 58.9 | 59.3 | 59.7 | 60.1 | 60.5 | 60.9 | 61.3 | 61.7 | 62.1 | 62.5 | 62.9 | 63.3 | 63.7 | 64.1 | |
| (0, RAD/SEC) | 400 | 56.0 | 56.0 | 56.6 | 57.1 | 57.5 | 57.9 | 58.3 | 58.7 | 59.1 | 59.5 | 59.9 | 60.3 | 60.7 | 61.1 | 61.5 | 61.9 | 62.3 | 62.7 | 63.1 | |
| AIRFLOW RATIO | 500 | 53.8 | 53.8 | 54.4 | 54.9 | 55.3 | 55.7 | 56.1 | 56.5 | 56.9 | 57.3 | 57.7 | 58.1 | 58.5 | 58.9 | 59.3 | 59.7 | 60.1 | 60.5 | 60.9 | |
| WF/HM 8.00 | 630 | 58.0 | 58.0 | 58.6 | 59.1 | 59.5 | 59.9 | 60.3 | 60.7 | 61.1 | 61.5 | 61.9 | 62.3 | 62.7 | 63.1 | 63.5 | 63.9 | 64.3 | 64.7 | 65.1 | |
| | 800 | 57.5 | 57.5 | 58.1 | 58.6 | 59.0 | 59.4 | 59.8 | 60.2 | 60.6 | 61.0 | 61.4 | 61.8 | 62.2 | 62.6 | 63.0 | 63.4 | 63.8 | 64.2 | 64.6 | |
| VEHICLE JENOTS | 1000 | 52.5 | 52.5 | 53.1 | 53.6 | 54.0 | 54.4 | 54.8 | 55.2 | 55.6 | 56.0 | 56.4 | 56.8 | 57.2 | 57.6 | 58.0 | 58.4 | 58.8 | 59.2 | 59.6 | |
| CONFIG JE-058 | 1250 | 51.9 | 51.9 | 52.5 | 53.0 | 53.4 | 53.8 | 54.2 | 54.6 | 55.0 | 55.4 | 55.8 | 56.2 | 56.6 | 57.0 | 57.4 | 57.8 | 58.2 | 58.6 | 59.0 | |
| LOC EVENDALE | 1600 | 49.2 | 49.2 | 49.8 | 50.3 | 50.7 | 51.1 | 51.5 | 51.9 | 52.3 | 52.7 | 53.1 | 53.5 | 53.9 | 54.3 | 54.7 | 55.1 | 55.5 | 55.9 | 56.3 | |
| DATE 04-29-75 | 2000 | 46.2 | 46.2 | 46.8 | 47.3 | 47.7 | 48.1 | 48.5 | 48.9 | 49.3 | 49.7 | 50.1 | 50.5 | 50.9 | 51.3 | 51.7 | 52.1 | 52.5 | 52.9 | 53.3 | |
| RUN DBIF=MODEL 5 | 2500 | 41.7 | 41.7 | 42.3 | 42.8 | 43.2 | 43.6 | 44.0 | 44.4 | 44.8 | 45.2 | 45.6 | 46.0 | 46.4 | 46.8 | 47.2 | 47.6 | 48.0 | 48.4 | 48.8 | |
| TAPE X50360 | 3150 | 33.0 | 33.0 | 33.6 | 34.1 | 34.5 | 34.9 | 35.3 | 35.7 | 36.1 | 36.5 | 36.9 | 37.3 | 37.7 | 38.1 | 38.5 | 38.9 | 39.3 | 39.7 | 40.1 | |
| FAN TIP SPEED | 4000 | 19.1 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.8 | 22.2 | 22.6 | 23.0 | 23.4 | 23.8 | 24.2 | 24.6 | 25.0 | 25.4 | 25.8 | 26.2 | |
| FT/SEC | 5000 | 11.2 | 11.2 | 11.8 | 12.3 | 12.7 | 13.1 | 13.5 | 13.9 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | |
| | 6300 | | 15.8 | 26.6 | 33.1 | 37.0 | 40.0 | 41.6 | 41.9 | 42.8 | 43.8 | 44.8 | 45.8 | 46.8 | 47.8 | 48.8 | 49.8 | 50.8 | 51.8 | 52.8 | |
| | 8000 | | | 6.6 | 14.9 | 20.2 | 23.6 | 25.9 | 26.4 | 27.4 | 28.4 | 29.4 | 30.4 | 31.4 | 32.4 | 33.4 | 34.4 | 35.4 | 36.4 | 37.4 | |
| | 10000 | | | | | | 2.4 | 4.8 | 5.7 | 6.4 | 7.1 | 7.9 | 8.6 | 9.3 | 10.0 | 10.7 | 11.4 | 12.1 | 12.8 | 13.5 | |
| OVERALL CALCULATED | | 88.9 | 78.2 | 78.7 | 80.1 | 81.6 | 82.0 | 82.3 | 82.7 | 83.1 | 83.5 | 83.9 | 84.3 | 84.7 | 85.1 | 85.5 | 85.9 | 86.3 | 86.7 | 87.1 | |
| PND8 | | 82.8 | 83.4 | 84.6 | 85.5 | 86.7 | 87.0 | 87.5 | 87.9 | 88.4 | 88.9 | 89.4 | 89.9 | 90.4 | 90.9 | 91.4 | 91.9 | 92.4 | 92.9 | 93.4 | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC DATE - MONTH 98 DAY 0 HR, 0.6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG F, 70 PERCENT REL, HUM, DAY & JENQTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | RWL |
|--------------------|-------|------|------|------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|---|---|-----|
| REV, ALPHA 12/73 | 82.4 | 80.5 | 85.8 | 83.4 | 84.9 | 84.7 | 86.1 | 89.6 | 89.8 | 93.3 | 92.0 | 97.8 | 101.2 | 100.6 | 152.1 | | | |
| NO EGA | 63 | 81.8 | 83.3 | 85.1 | 83.5 | 84.2 | 85.9 | 87.2 | 88.7 | 90.4 | 92.2 | 94.0 | 98.6 | 100.1 | 151.6 | | | |
| RDG, NO, 0 | 80 | 82.8 | 83.9 | 84.7 | 83.9 | 85.4 | 84.5 | 87.6 | 88.6 | 90.9 | 91.9 | 94.9 | 98.1 | 98.6 | 151.1 | | | |
| RADIAL 320, FT | 100 | 83.0 | 84.4 | 84.6 | 85.5 | 86.3 | 85.5 | 87.4 | 90.1 | 91.3 | 94.5 | 96.7 | 97.0 | 96.5 | 151.3 | | | |
| (98, M) | 125 | 83.8 | 85.4 | 85.0 | 84.9 | 85.8 | 86.4 | 88.4 | 89.6 | 91.4 | 94.6 | 95.0 | 95.4 | 94.4 | 150.2 | | | |
| VEHICLE JENQTS | 160 | 83.5 | 85.2 | 84.6 | 85.9 | 86.0 | 86.4 | 88.2 | 89.7 | 90.4 | 93.6 | 95.6 | 95.7 | 93.2 | 150.0 | | | |
| CONFIG JE-058 | 200 | 82.3 | 85.0 | 85.2 | 85.7 | 86.6 | 87.2 | 88.5 | 90.0 | 91.1 | 93.3 | 94.6 | 93.5 | 91.4 | 149.4 | | | |
| LQC EVENDALE | 250 | 84.1 | 84.6 | 84.8 | 87.4 | 87.7 | 88.4 | 88.3 | 89.8 | 91.0 | 93.1 | 93.2 | 93.3 | 90.1 | 149.2 | | | |
| DATE 04-29-75 | 315 | 83.3 | 85.6 | 86.3 | 86.5 | 87.4 | 88.5 | 89.0 | 90.4 | 92.3 | 93.6 | 92.3 | 91.0 | 88.7 | 149.1 | | | |
| RUN DBTF-MODEL 8 | 400 | 82.6 | 85.7 | 87.6 | 88.5 | 88.7 | 88.9 | 89.6 | 91.7 | 94.6 | 95.9 | 91.3 | 90.7 | 88.6 | 150.2 | | | |
| TARE X50370 | 500 | 81.3 | 85.3 | 87.1 | 89.2 | 89.0 | 89.9 | 90.7 | 93.6 | 95.7 | 96.5 | 91.4 | 89.2 | 87.4 | 151.1 | | | |
| BAR 29.5 HG | 630 | 81.1 | 85.6 | 89.0 | 89.7 | 90.6 | 91.2 | 92.1 | 94.9 | 98.4 | 98.9 | 91.3 | 89.5 | 87.6 | 152.9 | | | |
| (99451, N/M2) | 800 | 81.7 | 87.0 | 89.2 | 91.6 | 92.4 | 93.2 | 93.9 | 96.6 | 99.0 | 99.9 | 92.8 | 89.9 | 88.3 | 154.2 | | | |
| TAMB 69, DEG F | 1000 | 82.9 | 88.2 | 89.9 | 92.2 | 92.9 | 94.8 | 95.4 | 98.1 | 100.9 | 101.1 | 94.6 | 90.9 | 88.8 | 155.7 | | | |
| (294, DEG K) | 1250 | 83.1 | 87.6 | 91.1 | 93.2 | 94.2 | 95.6 | 96.4 | 100.0 | 102.8 | 102.3 | 96.1 | 91.4 | 90.1 | 157.3 | | | |
| THWT 54, DEG F | 1600 | 84.0 | 90.8 | 93.1 | 94.3 | 95.2 | 96.2 | 98.0 | 100.9 | 103.0 | 103.9 | 97.3 | 93.0 | 91.0 | 158.5 | | | |
| (203, DEG K) | 2000 | 84.1 | 90.6 | 93.6 | 95.0 | 95.6 | 96.6 | 98.5 | 101.8 | 103.0 | 102.7 | 97.3 | 93.9 | 91.6 | 158.7 | | | |
| HACT 0, GM/M3 | 2500 | 82.0 | 88.9 | 91.8 | 93.9 | 94.4 | 95.3 | 97.7 | 100.0 | 101.6 | 101.6 | 96.7 | 93.0 | 90.5 | 157.7 | | | |
| (, KG/M3) | 3150 | 79.6 | 87.0 | 89.5 | 91.4 | 92.1 | 93.6 | 95.5 | 97.5 | 99.0 | 100.2 | 95.3 | 92.0 | 89.3 | 156.2 | | | |
| FREQ, SHIFT | 4000 | 75.5 | 83.5 | 85.8 | 87.8 | 88.1 | 90.7 | 92.5 | 94.7 | 95.6 | 96.3 | 92.4 | 88.8 | 86.1 | 153.8 | | | |
| JET | 5000 | 73.2 | 81.7 | 83.9 | 86.0 | 85.5 | 87.1 | 89.3 | 91.2 | 93.0 | 92.6 | 87.3 | 84.2 | 82.4 | 150.7 | | | |
| DIAHETER RATIO | 6300 | 69.9 | 78.6 | 80.9 | 82.9 | 82.9 | 83.9 | 86.6 | 88.8 | 90.9 | 90.2 | 84.2 | 82.0 | 80.3 | 149.4 | | | |
| DE/DM 8.00 | 8000 | 66.5 | 75.2 | 77.4 | 79.6 | 78.7 | 80.4 | 84.4 | 86.2 | 87.4 | 87.6 | 81.1 | 80.3 | 79.5 | 148.4 | | | |
| OVERALL CALCULATED | 10000 | 61.8 | 70.9 | 72.5 | 74.3 | 74.5 | 76.6 | 82.7 | 84.4 | 85.0 | 85.8 | 80.1 | 81.1 | 80.3 | 149.1 | | | |
| PNDB | 10000 | 61.8 | 70.9 | 72.5 | 74.3 | 74.5 | 76.6 | 82.7 | 84.4 | 85.0 | 85.8 | 80.1 | 81.1 | 80.3 | 149.1 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 180 | 0 | 0 | 0 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.14) | (0) | (0) | (0) |
| SPL INPUT AT STD | | | | | | | | | | | | | | | | | | | |
| RMV, ALPHA 12/73 | FREQ | 50 | 58.6 | 58.9 | 65.8 | 64.3 | 66.7 | 66.9 | 68.4 | 71.8 | 71.6 | 74.4 | 72.0 | 76.2 | 77.4 | 73.3 | | | |
| NO EGA | 63 | 57.9 | 61.7 | 65.0 | 64.3 | 66.0 | 68.0 | 69.5 | 70.9 | 72.2 | 73.2 | 73.9 | 77.0 | 76.1 | 70.4 | | | | |
| SIDELINE 2400 FT | 80 | 58.8 | 62.2 | 64.6 | 64.9 | 67.2 | 66.6 | 69.9 | 70.7 | 72.6 | 72.9 | 74.8 | 76.3 | 74.6 | 69.0 | | | | |
| (731.52 M) | 100 | 58.8 | 62.6 | 64.4 | 66.4 | 67.9 | 67.6 | 69.6 | 72.2 | 72.9 | 75.4 | 76.5 | 75.2 | 72.3 | 68.7 | | | | |
| NRA 01 RPM | 125 | 59.5 | 61.4 | 64.7 | 65.7 | 67.3 | 68.4 | 70.5 | 71.6 | 72.9 | 75.4 | 74.6 | 73.4 | 70.0 | 63.9 | | | | |
| (01 RAD/SEC) | 160 | 58.9 | 62.1 | 64.1 | 66.2 | 67.4 | 68.3 | 70.2 | 71.6 | 72.9 | 74.3 | 75.1 | 73.6 | 68.6 | 60.8 | | | | |
| NRK 01 RPM | 200 | 57.5 | 62.7 | 64.5 | 66.3 | 67.9 | 69.0 | 70.4 | 71.8 | 72.4 | 73.8 | 74.0 | 71.1 | 66.6 | 59.2 | | | | |
| (01 RAD/SEC) | 250 | 59.0 | 62.0 | 64.0 | 67.8 | 68.9 | 70.0 | 70.0 | 71.5 | 72.2 | 73.5 | 72.4 | 70.7 | 65.0 | 57.8 | | | | |
| NRD 01 RPM | 315 | 57.8 | 62.7 | 65.2 | 66.6 | 68.3 | 69.9 | 70.5 | 71.8 | 73.3 | 73.7 | 71.2 | 68.1 | 63.1 | 55.7 | | | | |
| (01 RAD/SEC) | 400 | 56.5 | 62.4 | 66.1 | 68.4 | 69.3 | 70.0 | 70.9 | 72.8 | 74.3 | 75.8 | 70.0 | 67.4 | 62.3 | 56.4 | | | | |
| AIRFLOW RATIO | 500 | 54.5 | 61.5 | 65.2 | 68.6 | 69.3 | 70.8 | 71.7 | 74.4 | 76.0 | 76.0 | 69.6 | 65.3 | 60.6 | 53.7 | | | | |
| WF/NM 8.00 | 630 | 53.5 | 61.2 | 65.6 | 68.7 | 70.6 | 71.6 | 72.7 | 75.3 | 76.4 | 77.9 | 68.9 | 65.0 | 60.0 | 52.8 | | | | |
| | 800 | 53.0 | 61.7 | 66.1 | 70.0 | 71.7 | 73.1 | 73.9 | 76.5 | 78.4 | 78.3 | 69.7 | 64.6 | 59.6 | 52.2 | | | | |
| VEHICLE JENOTS | 1080 | 52.8 | 61.8 | 66.0 | 69.8 | 71.6 | 74.0 | 74.8 | 77.4 | 79.6 | 78.7 | 70.6 | 64.5 | 58.7 | 50.6 | | | | |
| CONFIG JE-058 | 1250 | 51.6 | 62.0 | 66.1 | 69.9 | 72.0 | 74.0 | 75.1 | 78.4 | 80.7 | 79.1 | 71.1 | 63.8 | 58.3 | 49.3 | | | | |
| LQC EVENDALE | 1600 | 49.7 | 61.3 | 66.6 | 69.7 | 71.8 | 73.3 | 75.5 | 78.2 | 79.7 | 79.3 | 70.8 | 63.5 | 56.7 | 45.8 | | | | |
| DATE 04-29-75 | 2000 | 47.0 | 58.9 | 65.3 | 68.8 | 70.8 | 72.6 | 74.7 | 77.7 | 78.2 | 76.5 | 69.0 | 62.2 | 54.5 | 42.3 | | | | |
| RUN DRIF-MODEL 5 | 2500 | 40.7 | 54.0 | 60.8 | 65.4 | 67.5 | 69.3 | 71.9 | 73.9 | 74.7 | 73.1 | 65.7 | 58.1 | 49.2 | 34.9 | | | | |
| TAPE X50370 | 3150 | 31.5 | 42.0 | 54.3 | 59.2 | 61.9 | 64.4 | 66.6 | 68.3 | 68.8 | 68.1 | 60.1 | 51.9 | 41.3 | 22.5 | | | | |
| FAN TIP SPEED | 4000 | 27.3 | 38.8 | 44.3 | 50.1 | 52.8 | 56.7 | 58.9 | 60.7 | 60.3 | 58.6 | 50.9 | 41.1 | 27.9 | 3.7 | | | | |
| FT/SEC | 5000 | 9.2 | 29.5 | 38.7 | 45.1 | 47.3 | 50.3 | 53.0 | 54.4 | 53.8 | 51.7 | 42.1 | 32.0 | 18.4 | | | | | |
| | 6300 | | 18.3 | 24.8 | 32.6 | 36.1 | 39.0 | 42.4 | 43.9 | 44.1 | 39.9 | 28.2 | 16.7 | | | | | | |
| | 8000 | | | 14.9 | 18.7 | 23.1 | 27.9 | 28.9 | 27.3 | 22.8 | 8.5 | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 69.1 | 78.1 | 77.7 | 80.3 | 82.0 | 83.5 | 84.9 | 87.3 | 88.8 | 88.8 | 85.0 | 84.3 | 82.4 | 77.3 | | | | |
| PNDB | | 71.7 | 80.7 | 80.8 | 83.2 | 85.1 | 86.9 | 88.7 | 91.2 | 92.2 | 91.7 | 88.2 | 87.7 | 85.3 | 80.8 | 73.5 | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE 4 MONTH 00 DAY 0 HR 00 MIN 00 SEC
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 259, DEG, 70 PERCENT REL, HQA, DAY = JENOTS

| SPL INPUT AT STD
REV, ALPHA 12/73 | FREQ | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL |
|--------------------------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | |
| NO EGA | 50 | 87.4 | 85.7 | 90.6 | 88.4 | 89.4 | 89.7 | 90.8 | 94.8 | 95.3 | 99.1 | 98.8 | 105.3 | 110.2 | 107.4 | | | 159.5 |
| RDG, NO, 0 | 63 | 87.3 | 87.1 | 89.8 | 88.8 | 89.7 | 90.4 | 92.0 | 94.2 | 95.9 | 97.9 | 100.5 | 105.9 | 108.3 | 106.3 | | | 158.8 |
| RADIAL 320, FT | 80 | 88.6 | 89.2 | 89.7 | 88.7 | 90.2 | 89.5 | 92.6 | 94.4 | 96.9 | 98.7 | 101.9 | 105.6 | 107.9 | 105.5 | | | 158.8 |
| (98, M) | 100 | 88.0 | 89.2 | 89.4 | 90.0 | 91.0 | 91.0 | 92.2 | 95.4 | 97.0 | 101.0 | 103.5 | 104.0 | 104.2 | 104.0 | | | 157.9 |
| VEHICLE JENOTS | 125 | 89.1 | 87.6 | 89.5 | 89.4 | 90.5 | 91.2 | 93.7 | 95.1 | 96.9 | 100.6 | 101.7 | 101.2 | 101.4 | 98.7 | | | 156.2 |
| CONFIG JE-058 | 160 | 87.5 | 88.7 | 88.9 | 90.0 | 90.0 | 90.9 | 93.4 | 94.7 | 96.4 | 99.9 | 102.1 | 101.7 | 98.2 | 95.4 | | | 155.8 |
| LOC EVENDALE | 200 | 87.3 | 89.0 | 88.9 | 90.0 | 90.8 | 91.2 | 93.5 | 95.2 | 96.6 | 99.0 | 100.6 | 99.2 | 97.1 | 93.0 | | | 154.2 |
| DATE 04-29-75 | 250 | 88.1 | 88.1 | 88.5 | 90.7 | 91.2 | 91.6 | 93.0 | 94.8 | 96.2 | 98.1 | 99.4 | 98.5 | 95.9 | 92.5 | | | 153.6 |
| RUN DBTF-MODEL 5 | 315 | 87.1 | 88.0 | 89.5 | 89.5 | 89.9 | 91.2 | 92.7 | 94.7 | 96.6 | 98.1 | 98.0 | 97.2 | 94.4 | 91.0 | | | 153.6 |
| TAPE DBTF-MODEL 5 | 400 | 85.9 | 88.2 | 89.6 | 90.5 | 91.2 | 91.7 | 92.6 | 94.7 | 97.1 | 97.7 | 97.2 | 96.4 | 94.6 | 91.7 | | | 153.6 |
| TYPE X50410 | 500 | 84.3 | 87.0 | 88.8 | 90.4 | 91.2 | 92.2 | 93.2 | 95.8 | 98.4 | 97.3 | 96.2 | 94.7 | 92.9 | 90.6 | | | 154.9 |
| BAR 29.5 HG | 630 | 84.5 | 87.9 | 89.2 | 90.7 | 91.4 | 92.9 | 94.6 | 97.9 | 100.9 | 97.9 | 95.8 | 95.2 | 93.4 | 90.7 | | | 155.6 |
| (99685, N/M2) | 800 | 84.0 | 88.5 | 91.5 | 92.1 | 93.9 | 94.7 | 95.9 | 99.3 | 102.5 | 98.2 | 95.6 | 94.4 | 93.1 | 89.8 | | | 156.7 |
| TAMB 69, DEG F | 1000 | 84.1 | 89.2 | 91.7 | 92.7 | 94.9 | 96.3 | 96.9 | 100.1 | 102.7 | 99.1 | 95.6 | 93.4 | 92.5 | 89.8 | | | 158.4 |
| (294, DEG K) | 1250 | 85.2 | 90.6 | 94.1 | 95.2 | 96.4 | 97.3 | 98.2 | 101.7 | 104.6 | 100.3 | 96.1 | 93.4 | 92.4 | 90.0 | | | 159.5 |
| TWBT 54, DEG F | 1600 | 85.5 | 92.0 | 95.1 | 96.1 | 97.7 | 98.7 | 100.3 | 103.1 | 104.8 | 101.6 | 97.0 | 93.5 | 92.5 | 89.1 | | | 159.8 |
| (285, DEG K) | 2000 | 84.6 | 91.6 | 94.6 | 95.7 | 97.6 | 98.9 | 100.8 | 103.0 | 104.5 | 101.9 | 97.6 | 94.1 | 91.9 | 88.7 | | | 158.4 |
| HACT 0, GM/M3 | 2500 | 82.8 | 89.9 | 92.0 | 94.1 | 96.1 | 97.1 | 99.2 | 101.2 | 102.8 | 100.1 | 96.7 | 92.7 | 90.5 | 86.8 | | | 156.8 |
| KG/M3 | 3150 | 80.6 | 89.0 | 91.0 | 92.6 | 93.9 | 95.4 | 97.3 | 99.3 | 100.3 | 98.1 | 93.8 | 91.0 | 89.3 | 85.0 | | | 154.7 |
| FREQ, SHIF | 4000 | 77.5 | 85.3 | 87.8 | 89.5 | 90.1 | 92.7 | 94.2 | 96.4 | 97.6 | 95.5 | 91.7 | 88.8 | 86.6 | 81.7 | | | 151.8 |
| JET | 5000 | 75.2 | 83.4 | 85.7 | 87.2 | 88.0 | 89.1 | 90.8 | 92.7 | 94.5 | 92.1 | 87.6 | 85.2 | 83.7 | 79.4 | | | 150.2 |
| DIAMETER RATIO | 6300 | 72.9 | 79.9 | 82.4 | 83.7 | 83.8 | 86.1 | 87.9 | 89.8 | 91.9 | 89.5 | 84.5 | 82.7 | 81.5 | 77.9 | | | 149.7 |
| DF/DM 8.00 | 8000 | 70.8 | 76.2 | 78.4 | 80.1 | 80.2 | 82.9 | 85.1 | 87.7 | 88.9 | 88.6 | 82.1 | 81.6 | 81.3 | 78.3 | | | 140.7 |
| OVERALL CALCULATED | 10000 | 69.8 | 72.2 | 73.5 | 75.3 | 75.8 | 81.4 | 83.7 | 85.6 | 86.0 | 88.3 | 80.3 | 82.1 | 82.3 | 79.5 | | | 120.3 |
| PNOB | | 108.2 | 118.6 | 128.9 | 137.1 | 146.4 | 157.4 | 169.0 | 181.5 | 193.5 | 202.4 | 212.0 | 213.2 | 214.9 | 212.6 | | | |

897

ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SRL INPUT AT STD | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 |
|-------------------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| REV, ALPHA 12/73 | FREQ, (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.31) | (3.49) |
| NO SGA | 50 | 83.6 | 64.1 | 70.5 | 69.5 | 71.2 | 71.9 | 73.2 | 77.0 | 77.1 | 80.1 | 78.7 | 83.7 | 86.4 | 80.1 | | | |
| SIDELINE 2400, FT, (731.52 M) | 63 | 83.4 | 67.4 | 69.7 | 69.8 | 71.5 | 72.5 | 74.3 | 76.4 | 77.7 | 79.0 | 80.4 | 84.2 | 84.4 | 78.9 | | | |
| NRA 0, RPM | 80 | 64.5 | 67.5 | 69.6 | 69.7 | 71.9 | 71.6 | 74.9 | 76.5 | 78.8 | 79.7 | 81.8 | 83.8 | 83.9 | 78.0 | | | |
| (0, RAD/SEC) | 100 | 83.8 | 67.3 | 69.2 | 70.9 | 72.6 | 73.1 | 74.4 | 77.4 | 78.7 | 81.9 | 83.2 | 82.2 | 80.0 | 76.2 | | | |
| NFK 0, RPM | 125 | 84.7 | 65.7 | 69.2 | 70.2 | 72.1 | 73.2 | 75.8 | 77.1 | 78.4 | 81.4 | 81.4 | 79.2 | 77.0 | 70.6 | | | |
| (0, RAD/SEC) | 160 | 82.9 | 66.6 | 68.4 | 70.7 | 71.4 | 72.8 | 75.4 | 76.6 | 77.9 | 80.6 | 81.6 | 79.6 | 73.6 | 67.1 | | | |
| NFK 0, RPM | 200 | 82.5 | 66.7 | 68.3 | 70.5 | 72.1 | 73.0 | 75.4 | 77.0 | 77.9 | 79.5 | 80.0 | 76.9 | 72.3 | 64.2 | | | |
| (0, RAD/SEC) | 250 | 83.0 | 65.5 | 67.7 | 71.0 | 72.4 | 73.2 | 74.8 | 76.5 | 77.4 | 78.5 | 78.6 | 76.0 | 70.7 | 63.3 | | | |
| NRD 0, RPM | 315 | 81.5 | 65.7 | 68.4 | 69.6 | 70.8 | 72.6 | 74.3 | 76.1 | 77.5 | 78.2 | 76.9 | 74.3 | 68.9 | 61.2 | | | |
| (0, RAD/SEC) | 400 | 59.8 | 64.9 | 68.1 | 70.4 | 71.8 | 72.8 | 73.9 | 75.8 | 77.8 | 77.5 | 75.8 | 73.1 | 68.5 | 61.0 | | | |
| AIRFLOW RATIO | 500 | 57.5 | 63.2 | 67.0 | 69.9 | 71.6 | 73.0 | 74.2 | 76.6 | 78.7 | 76.7 | 74.3 | 70.8 | 66.1 | 58.9 | | | |
| WF/WB 8.00 | 630 | 56.7 | 63.4 | 66.8 | 69.7 | 71.3 | 73.4 | 75.2 | 78.3 | 80.9 | 76.9 | 73.4 | 70.8 | 65.7 | 57.8 | | | |
| | 800 | 55.2 | 63.2 | 68.4 | 70.5 | 73.2 | 74.6 | 75.9 | 78.2 | 80.9 | 76.5 | 72.5 | 69.1 | 64.3 | 55.2 | | | |
| VEHICLE JENOTS | 1000 | 54.0 | 62.8 | 67.7 | 70.3 | 73.6 | 75.5 | 76.3 | 79.4 | 81.3 | 76.7 | 71.6 | 67.0 | 62.4 | 53.1 | | | |
| CONFIG JE7058 | 1250 | 53.4 | 63.0 | 69.1 | 71.9 | 74.2 | 75.8 | 76.8 | 80.2 | 82.4 | 77.1 | 71.1 | 65.8 | 60.6 | 50.8 | | | |
| LQC EVENDALE | 1600 | 51.2 | 62.5 | 68.6 | 71.5 | 74.3 | 76.0 | 77.8 | 80.4 | 81.4 | 77.0 | 70.5 | 64.0 | 58.2 | 46.3 | | | |
| DATE 04-29-75 | 2000 | 47.5 | 59.9 | 66.3 | 69.5 | 72.8 | 74.8 | 76.9 | 78.9 | 79.7 | 75.7 | 69.2 | 62.4 | 54.8 | 41.6 | | | |
| RUN DBT-F=MODEL 3 | 2500 | 41.5 | 55.0 | 61.1 | 65.6 | 69.2 | 71.0 | 73.4 | 75.2 | 75.9 | 71.6 | 65.7 | 57.8 | 49.2 | 33.4 | | | |
| TAPE X50410 | 3150 | 32.5 | 47.0 | 55.8 | 60.5 | 63.6 | 66.2 | 68.4 | 70.1 | 70.0 | 65.9 | 58.6 | 50.9 | 41.3 | 21.5 | | | |
| FAN TIP SPEED | 4000 | 29.3 | 37.6 | 46.3 | 51.9 | 54.8 | 58.7 | 60.7 | 62.4 | 62.3 | 57.8 | 50.1 | 41.1 | 28.4 | 3.2 | | | |
| FT/SEC | 5000 | 11.2 | 31.2 | 40.4 | 46.3 | 49.8 | 52.3 | 54.5 | 55.9 | 56.3 | 51.2 | 42.6 | 33.0 | 19.7 | | | | |
| | 6300 | | 18.6 | 26.3 | 33.4 | 37.0 | 41.2 | 43.6 | 44.9 | 45.1 | 39.2 | 28.5 | 17.4 | 0.3 | | | | |
| | 8000 | | | 9.8 | 15.4 | 20.2 | 23.6 | 28.6 | 30.4 | 29.0 | 23.8 | 9.5 | | | | | | |
| | 10000 | | | | | | 6.6 | 10.1 | 10.9 | 7.7 | 3.4 | | | | | | | |
| OVERALL CALCULATED | | 73.6 | 77.5 | 80.9 | 82.8 | 84.9 | 86.2 | 88.0 | 90.3 | 91.9 | 91.2 | 90.8 | 91.0 | 90.7 | 84.9 | | | |
| PNDB | | 75.3 | 82.9 | 87.9 | 90.8 | 93.6 | 95.4 | 97.3 | 99.5 | 100.6 | 98.0 | 94.0 | 91.4 | 88.2 | 80.6 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUMIDITY, DAY = JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0, PWLI | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|--------|--------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) |
| NO EGA | | 50 | 77.4 | 74.0 | 76.1 | 78.2 | 80.7 | 79.2 | 83.6 | 82.1 | 83.8 | 81.8 | 87.8 | 91.2 | 90.4 | | | | | 142.9 |
| REG. NO. 3. | | 63 | 74.8 | 75.6 | 77.1 | 76.0 | 76.7 | 77.9 | 79.7 | 80.5 | 82.4 | 82.9 | 84.0 | 90.1 | 91.8 | 92.3 | | | | 143.6 |
| RADIAL 320 FT. | | 80 | 76.1 | 77.4 | 78.9 | 77.7 | 79.4 | 79.5 | 81.1 | 81.4 | 82.7 | 82.2 | 84.2 | 88.1 | 90.9 | 94.3 | | | | 143.8 |
| (98.4) | | 125 | 79.3 | 78.4 | 80.0 | 79.6 | 79.5 | 80.4 | 81.2 | 82.6 | 83.6 | 85.1 | 85.7 | 88.4 | 90.1 | 87.9 | | | | 143.2 |
| VEHICLE JENOTS | | 160 | 78.2 | 77.2 | 78.4 | 78.8 | 79.0 | 79.7 | 82.7 | 82.4 | 83.7 | 85.1 | 86.3 | 89.2 | 88.4 | 85.9 | | | | 143.0 |
| CONFIG JENOTS | | 200 | 77.0 | 78.2 | 78.2 | 78.2 | 79.1 | 80.0 | 81.0 | 82.0 | 82.8 | 84.5 | 85.6 | 87.4 | 85.4 | 83.5 | | | | 142.0 |
| LOC EVENDALE | | 250 | 78.8 | 77.3 | 77.0 | 79.1 | 80.0 | 80.1 | 80.5 | 81.6 | 82.5 | 83.6 | 85.4 | 86.5 | 84.3 | 82.0 | | | | 141.4 |
| DATE 64-30-75 | | 315 | 77.5 | 77.5 | 78.0 | 77.4 | 77.8 | 78.6 | 79.7 | 80.9 | 82.3 | 83.0 | 83.7 | 85.7 | 82.6 | 79.0 | | | | 140.4 |
| RUN CBTF-MODEL 5 | | 400 | 75.0 | 76.9 | 77.0 | 77.7 | 77.5 | 78.3 | 79.0 | 80.3 | 81.3 | 82.6 | 83.6 | 84.3 | 81.0 | 78.1 | | | | 139.7 |
| TAPE X50420 | | 500 | 74.1 | 75.9 | 75.9 | 77.2 | 76.8 | 78.2 | 78.5 | 79.1 | 80.7 | 82.1 | 83.0 | 82.5 | 78.7 | 76.2 | | | | 138.9 |
| BAR 29.3 HG | | 630 | 73.4 | 75.9 | 76.3 | 76.0 | 77.2 | 77.7 | 79.2 | 80.4 | 81.2 | 81.6 | 82.6 | 82.8 | 78.4 | 75.7 | | | | 139.0 |
| (98.07, N/42) | | 800 | 73.1 | 77.2 | 76.6 | 77.2 | 78.3 | 79.6 | 79.8 | 80.8 | 82.4 | 83.1 | 82.0 | 81.3 | 79.0 | 76.7 | | | | 139.6 |
| TAMB 65 DEG F | | 1000 | 73.1 | 77.2 | 76.7 | 77.6 | 78.4 | 79.5 | 79.1 | 80.6 | 82.1 | 84.3 | 85.3 | 82.1 | 79.5 | 78.0 | | | | 140.4 |
| (29.1, DEG K) | | 1250 | 72.2 | 76.1 | 76.4 | 77.2 | 78.4 | 78.0 | 78.6 | 80.9 | 82.5 | 83.1 | 84.3 | 82.1 | 78.6 | 76.9 | | | | 140.0 |
| TWET 62 DEG F | | 1600 | 69.7 | 74.3 | 74.4 | 74.8 | 76.5 | 76.7 | 77.3 | 78.6 | 80.3 | 80.9 | 81.3 | 80.5 | 76.5 | 73.9 | | | | 138.1 |
| (28.9, DEG K) | | 2000 | 67.4 | 71.2 | 71.2 | 72.3 | 74.2 | 75.0 | 75.3 | 77.1 | 77.9 | 78.5 | 78.4 | 77.0 | 74.2 | 71.1 | | | | 135.8 |
| HACT 0. GM/H3 | | 2500 | 63.5 | 68.6 | 68.8 | 69.6 | 71.1 | 71.5 | 72.9 | 74.4 | 76.0 | 76.5 | 75.2 | 73.7 | 70.7 | 68.0 | | | | 133.5 |
| (1, KG/H3) | | 3150 | 60.5 | 65.2 | 65.7 | 66.3 | 66.8 | 67.6 | 69.2 | 70.7 | 72.5 | 72.8 | 71.2 | 69.6 | 67.5 | 64.9 | | | | 130.3 |
| FREQ. SHIFT | | 4000 | 55.2 | 60.0 | 60.6 | 61.8 | 62.1 | 64.5 | 65.7 | 66.4 | 67.6 | 69.5 | 67.4 | 66.3 | 64.6 | 61.2 | | | | 127.1 |
| JET 9 | | 5000 | 53.2 | 56.1 | 56.4 | 57.7 | 58.5 | 58.0 | 60.5 | 61.4 | 62.7 | 65.3 | 62.5 | 63.2 | 62.1 | 61.1 | | | | 123.1 |
| DIAMETER RATIO | | 6300 | 53.2 | 53.7 | 53.2 | 54.7 | 56.4 | 55.4 | 56.9 | 57.4 | 56.6 | 65.0 | 61.5 | 64.0 | 64.1 | 63.2 | | | | 123.1 |
| DF/DM 8.00 | | 8000 | 55.9 | 54.6 | 54.3 | 55.7 | 57.8 | 55.8 | 56.8 | 58.1 | 54.3 | 67.2 | 63.5 | 66.7 | 66.4 | 65.7 | | | | 126.9 |
| OVERALL CALCULATED | | 10000 | 58.5 | 56.3 | 55.6 | 56.9 | 59.9 | 58.5 | 59.5 | 59.7 | 55.4 | 69.7 | 66.0 | 69.5 | 69.2 | 68.2 | | | | 132.0 |
| PND8 | | | 88.3 | 89.1 | 89.6 | 90.0 | 90.8 | 91.2 | 92.3 | 93.4 | 94.7 | 95.8 | 96.7 | 98.6 | 99.2 | 99.5 | | | | 153.0 |
| | | | 93.9 | 96.3 | 96.5 | 97.1 | 98.2 | 98.7 | 99.6 | 100.9 | 102.1 | 103.4 | 103.6 | 103.9 | 102.2 | 101.4 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM. DAY)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| REV. ALPHA 12/73 | | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.0) | (3.0) |
| | | 50 | 53.6 | 52.4 | 56.0 | 59.2 | 62.4 | 61.4 | 62.9 | 64.3 | 64.8 | 64.9 | 61.7 | 66.2 | 67.4 | 63.1 | | | |
| NO EGA | | 63 | 50.9 | 53.9 | 57.0 | 57.0 | 58.5 | 60.0 | 62.0 | 62.6 | 64.2 | 64.0 | 63.9 | 68.5 | 67.9 | 64.9 | | | |
| SIDELINE 2405 FT. | | 80 | 52.0 | 55.7 | 58.8 | 58.7 | 61.2 | 61.6 | 63.4 | 63.5 | 64.4 | 63.2 | 64.1 | 66.3 | 66.9 | 66.7 | | | |
| (731.52 M) | | 100 | 53.3 | 56.8 | 58.4 | 60.6 | 61.1 | 60.6 | 62.6 | 63.9 | 65.2 | 66.4 | 67.0 | 67.4 | 66.3 | 64.4 | | | |
| NFA 0. RPM | | 125 | 55.0 | 56.4 | 59.7 | 60.5 | 61.1 | 62.4 | 63.3 | 64.6 | 65.2 | 65.9 | 65.4 | 66.4 | 65.8 | 59.9 | | | |
| (0. RAD/SEC) | | 160 | 53.7 | 55.0 | 57.9 | 59.5 | 60.4 | 61.5 | 64.7 | 64.3 | 65.1 | 65.8 | 65.9 | 67.1 | 63.9 | 57.6 | | | |
| NFK 0. RPM | | 200 | 52.2 | 55.9 | 57.5 | 58.8 | 60.4 | 61.7 | 62.9 | 63.7 | 64.1 | 65.0 | 65.9 | 65.1 | 60.5 | 54.7 | | | |
| (0. RAD/SEC) | | 250 | 53.7 | 54.7 | 56.2 | 59.5 | 61.1 | 61.7 | 62.3 | 63.2 | 63.6 | 64.0 | 64.6 | 63.9 | 59.2 | 52.8 | | | |
| NFD 0. RPM | | 315 | 52.0 | 54.6 | 56.9 | 57.6 | 58.8 | 60.0 | 61.2 | 62.3 | 63.2 | 63.2 | 62.6 | 62.8 | 57.1 | 49.1 | | | |
| (0. RAD/SEC) | | 400 | 48.9 | 53.5 | 55.5 | 57.5 | 58.2 | 59.4 | 60.3 | 61.5 | 61.9 | 62.4 | 62.2 | 61.0 | 54.9 | 47.4 | | | |
| AIRFLOW RATIO | | 500 | 47.3 | 52.1 | 54.1 | 56.7 | 57.2 | 59.1 | 59.5 | 60.0 | 61.1 | 61.6 | 61.1 | 58.7 | 52.0 | 44.5 | | | |
| WF/WK 8.0C | | 630 | 45.8 | 51.4 | 53.9 | 55.0 | 57.1 | 58.2 | 59.8 | 60.8 | 61.1 | 60.6 | 60.2 | 58.3 | 50.8 | 42.8 | | | |
| | | 800 | 44.4 | 51.9 | 53.5 | 55.6 | 57.6 | 59.5 | 59.8 | 60.6 | 61.8 | 61.4 | 59.9 | 56.0 | 50.2 | 42.1 | | | |
| VEHICLE JENOTS | | 1000 | 43.0 | 50.8 | 52.7 | 55.3 | 57.1 | 58.7 | 58.6 | 59.8 | 60.8 | 61.9 | 61.3 | 55.7 | 49.4 | 41.4 | | | |
| CONFIG JE657 | | 1250 | 40.4 | 48.5 | 51.4 | 53.9 | 56.2 | 56.5 | 57.3 | 59.4 | 60.4 | 59.8 | 59.3 | 54.5 | 46.8 | 37.7 | | | |
| LOC EVENDALE | | 1600 | 35.5 | 44.8 | 47.8 | 50.2 | 53.1 | 54.0 | 54.8 | 55.9 | 56.9 | 56.3 | 54.8 | 51.0 | 42.3 | 31.1 | | | |
| DATE 4-30-75 | | 2000 | 30.3 | 39.5 | 42.9 | 46.1 | 49.4 | 50.9 | 51.5 | 53.0 | 53.0 | 52.3 | 50.1 | 45.3 | 37.1 | 23.9 | | | |
| RUN DBTF-MODEL 5 | | 2500 | 22.2 | 33.7 | 37.8 | 41.1 | 44.2 | 45.5 | 47.1 | 48.4 | 49.1 | 48.0 | 44.2 | 38.8 | 29.4 | 14.6 | | | |
| TAPE X50420 | | 3150 | 12.4 | 25.2 | 30.5 | 34.1 | 36.5 | 38.3 | 40.3 | 41.5 | 42.2 | 40.6 | 36.0 | 29.6 | 19.4 | 1.4 | | | |
| FAN TIP SPEED | | 4000 | | 12.3 | 19.0 | 24.1 | 26.8 | 30.5 | 32.2 | 32.4 | 32.3 | 31.8 | 25.9 | 18.6 | 6.4 | | | | |
| FT/SEC | | 5000 | | 3.9 | 11.1 | 16.8 | 20.3 | 21.3 | 24.2 | 24.6 | 24.5 | 24.4 | 17.3 | 11.0 | | | | | |
| | | 6300 | | | | 4.4 | 9.6 | 10.5 | 12.7 | 12.5 | 9.8 | 14.7 | 5.5 | | | | | | |
| | | 8000 | | | | | | | 0.2 | 0.7 | | 2.4 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 63.1 | 65.9 | 68.4 | 70.0 | 71.5 | 72.3 | 73.7 | 74.5 | 75.3 | 75.6 | 75.4 | 76.2 | 74.8 | 71.7 | | | |
| PNDB | | | 63.5 | 68.2 | 70.8 | 72.9 | 74.7 | 75.9 | 77.0 | 78.0 | 78.9 | 78.8 | 78.0 | 76.7 | 72.1 | 66.3 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|------------------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL | |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | 50 | 76.7 | 74.0 | 75.6 | 77.2 | 79.4 | 78.2 | 80.3 | 81.3 | 82.6 | 83.8 | 82.3 | 88.0 | 91.5 | 90.4 | | | | 142.8 | |
| | 63 | 74.3 | 75.3 | 76.8 | 76.3 | 77.2 | 77.6 | 80.0 | 80.0 | 82.4 | 82.7 | 84.5 | 90.4 | 91.8 | 91.8 | | | | 143.6 | |
| | 80 | 76.3 | 76.9 | 78.4 | 77.4 | 79.4 | 78.7 | 80.8 | 81.4 | 82.7 | 82.2 | 84.4 | 88.8 | 90.9 | 93.5 | | | | 143.6 | |
| | 100 | 77.5 | 78.4 | 78.4 | 79.5 | 79.3 | 78.5 | 80.2 | 82.1 | 83.8 | 85.3 | 87.2 | 89.8 | 90.2 | 91.7 | | | | 143.9 | |
| | 125 | 78.1 | 77.4 | 79.3 | 78.9 | 79.0 | 80.2 | 81.7 | 82.3 | 83.6 | 85.1 | 86.0 | 87.9 | 89.3 | 86.9 | | | | 142.9 | |
| | 160 | 77.7 | 77.2 | 78.1 | 78.5 | 79.5 | 79.7 | 82.4 | 82.2 | 83.4 | 85.1 | 86.3 | 88.5 | 87.4 | 84.4 | | | | 142.6 | |
| | 200 | 77.0 | 78.0 | 78.4 | 78.2 | 79.1 | 80.0 | 81.3 | 81.7 | 82.8 | 84.2 | 85.6 | 86.7 | 84.9 | 81.7 | | | | 141.6 | |
| | 250 | 78.3 | 77.3 | 77.3 | 79.6 | 79.7 | 80.1 | 80.5 | 80.8 | 82.2 | 83.1 | 84.9 | 85.7 | 83.3 | 80.5 | | | | 140.9 | |
| | 315 | 77.5 | 77.5 | 78.0 | 77.4 | 77.8 | 78.9 | 79.2 | 80.6 | 82.0 | 82.8 | 83.2 | 84.4 | 81.1 | 78.0 | | | | 139.9 | |
| | 400 | 75.3 | 76.9 | 77.5 | 78.4 | 77.8 | 78.0 | 79.0 | 79.8 | 81.3 | 82.8 | 83.1 | 83.3 | 80.0 | 76.6 | | | | 139.5 | |
| | 500 | 74.3 | 76.4 | 76.9 | 77.7 | 77.3 | 78.0 | 78.5 | 80.1 | 81.2 | 83.1 | 84.2 | 82.7 | 78.2 | 75.9 | | | | 139.5 | |
| | 630 | 73.9 | 77.2 | 77.0 | 77.7 | 77.9 | 78.5 | 79.2 | 79.9 | 81.7 | 82.6 | 84.4 | 83.3 | 77.9 | 76.2 | | | | 139.7 | |
| | 800 | 73.9 | 77.4 | 77.6 | 78.2 | 79.3 | 79.6 | 80.3 | 81.3 | 82.7 | 83.3 | 82.2 | 82.1 | 78.7 | 76.7 | | | | 140.0 | |
| | 1000 | 73.9 | 78.2 | 77.9 | 78.4 | 79.4 | 80.2 | 80.1 | 81.6 | 84.4 | 86.0 | 85.3 | 81.9 | 79.0 | 77.8 | | | | 141.4 | |
| | 1250 | 73.4 | 78.1 | 78.6 | 78.7 | 79.4 | 80.3 | 80.4 | 82.7 | 84.0 | 85.8 | 87.0 | 80.1 | 78.3 | 76.9 | | | | 141.8 | |
| | 1600 | 71.5 | 76.8 | 77.4 | 77.3 | 78.0 | 78.7 | 79.8 | 80.4 | 82.8 | 84.4 | 84.3 | 79.3 | 76.7 | 75.1 | | | | 140.3 | |
| | 2000 | 68.4 | 74.2 | 74.0 | 74.0 | 75.4 | 76.5 | 77.3 | 78.8 | 79.6 | 80.5 | 80.4 | 76.5 | 74.0 | 72.3 | | | | 137.5 | |
| | 2500 | 65.0 | 70.6 | 71.0 | 70.8 | 71.8 | 72.3 | 73.9 | 75.4 | 77.5 | 77.5 | 77.4 | 73.2 | 71.0 | 68.5 | | | | 134.7 | |
| | 3150 | 61.5 | 66.9 | 67.7 | 67.8 | 68.3 | 69.6 | 70.9 | 72.9 | 73.7 | 74.3 | 72.7 | 69.6 | 67.7 | 65.4 | | | | 134.7 | |
| | 4000 | 56.5 | 62.0 | 62.3 | 63.5 | 63.3 | 65.4 | 67.2 | 68.7 | 69.6 | 71.0 | 68.9 | 66.0 | 64.6 | 61.7 | | | | 128.5 | |
| | 5000 | 53.7 | 57.6 | 58.4 | 58.4 | 59.0 | 60.0 | 61.7 | 64.4 | 65.0 | 67.3 | 63.5 | 62.2 | 62.6 | 60.6 | | | | 124.6 | |
| | 6300 | 53.5 | 54.2 | 53.7 | 55.2 | 56.4 | 55.9 | 57.4 | 63.6 | 61.1 | 68.5 | 61.3 | 63.8 | 63.6 | 62.5 | | | | 125.1 | |
| | 8000 | 56.2 | 54.4 | 52.8 | 55.2 | 57.3 | 56.3 | 56.8 | 66.3 | 62.0 | 70.9 | 63.0 | 66.4 | 66.1 | 65.5 | | | | 125.1 | |
| | 10030 | 58.2 | 55.6 | 54.4 | 56.4 | 59.4 | 57.7 | 59.5 | 68.5 | 64.4 | 73.9 | 65.5 | 68.7 | 69.0 | 67.7 | | | | 134.3 | |
| | OVERALL CALCULATED | 88.1 | 89.4 | 90.0 | 90.4 | 91.0 | 91.4 | 92.6 | 93.6 | 95.1 | 96.4 | 97.1 | 98.5 | 98.9 | 98.9 | | | | 134.1 | |
| | PND8 | 94.3 | 97.6 | 98.1 | 98.4 | 99.1 | 99.7 | 100.8 | 102.2 | 103.7 | 105.3 | 105.1 | 103.3 | 101.8 | 101.0 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.0) | (3.0) |
| NO EGA | 50 | 52.8 | 52.4 | 55.5 | 58.2 | 61.2 | 60.4 | 62.7 | 63.5 | 64.3 | 64.9 | 62.2 | 66.4 | 67.6 | 63.1 | | |
| SIDELINE 2400. FT. | 63 | 50.4 | 53.7 | 56.7 | 57.3 | 59.0 | 59.8 | 62.3 | 62.1 | 64.2 | 63.7 | 64.4 | 68.7 | 67.9 | 64.4 | | |
| (731.52 M) | 80 | 52.3 | 55.2 | 58.3 | 58.4 | 61.2 | 60.9 | 63.1 | 63.3 | 64.4 | 63.2 | 64.3 | 67.1 | 66.9 | 66.0 | | |
| NFA | 100 | 53.3 | 56.6 | 58.2 | 60.4 | 60.9 | 60.6 | 62.4 | 64.2 | 65.4 | 66.1 | 67.0 | 67.9 | 66.0 | 63.9 | | |
| (0. RPM) | 125 | 53.7 | 55.4 | 58.9 | 59.7 | 60.6 | 62.2 | 63.8 | 64.3 | 65.2 | 65.9 | 65.6 | 65.9 | 65.0 | 58.9 | | |
| (0. RAD/SEC) | 160 | 53.2 | 55.0 | 57.6 | 59.2 | 60.9 | 61.5 | 64.4 | 64.0 | 64.9 | 65.8 | 65.9 | 66.3 | 62.9 | 56.1 | | |
| NFK | 250 | 52.2 | 55.6 | 57.8 | 58.8 | 60.4 | 61.7 | 63.2 | 63.5 | 64.1 | 64.8 | 64.9 | 64.4 | 60.0 | 53.0 | | |
| (0. RPM) | 250 | 53.2 | 54.7 | 56.4 | 60.0 | 60.9 | 61.7 | 62.3 | 62.4 | 63.4 | 63.5 | 64.1 | 63.2 | 58.2 | 51.3 | | |
| (0. RAD/SEC) | 315 | 52.0 | 54.6 | 56.9 | 57.6 | 58.8 | 60.3 | 60.7 | 62.0 | 62.9 | 62.9 | 62.1 | 61.5 | 55.6 | 48.1 | | |
| (0. RPM) | 400 | 49.1 | 53.5 | 56.0 | 58.2 | 58.5 | 59.2 | 60.3 | 61.0 | 61.9 | 62.6 | 61.7 | 60.0 | 53.9 | 45.9 | | |
| (0. RAD/SEC) | 520 | 47.6 | 52.6 | 55.1 | 57.2 | 57.7 | 58.8 | 59.5 | 61.0 | 61.6 | 62.6 | 62.4 | 58.9 | 51.5 | 44.3 | | |
| AIRFLOW RATIO | 630 | 46.3 | 52.7 | 54.6 | 56.7 | 57.8 | 58.9 | 59.8 | 60.3 | 61.6 | 61.6 | 62.0 | 58.8 | 50.3 | 43.3 | | |
| WF/KM 8.00 | 800 | 45.1 | 52.1 | 54.5 | 56.6 | 58.6 | 59.5 | 60.3 | 61.1 | 62.0 | 61.7 | 59.1 | 56.7 | 50.0 | 42.1 | | |
| VEHICLE JENOTS | 1000 | 43.7 | 51.8 | 54.0 | 56.0 | 58.1 | 59.5 | 59.6 | 60.8 | 63.1 | 63.7 | 61.3 | 55.5 | 48.9 | 41.1 | | |
| CONFIG JE#057 | 1250 | 41.6 | 50.5 | 53.6 | 55.4 | 57.2 | 58.7 | 59.1 | 61.1 | 61.9 | 62.5 | 62.0 | 52.5 | 46.5 | 37.7 | | |
| LOC EVENDALE | 1600 | 37.3 | 47.3 | 50.8 | 52.7 | 54.6 | 56.0 | 57.3 | 57.7 | 59.4 | 59.8 | 57.8 | 49.8 | 42.5 | 32.3 | | |
| DATE 04-30-75 | 2000 | 31.3 | 42.5 | 45.6 | 47.8 | 50.6 | 52.4 | 53.5 | 54.8 | 54.8 | 54.3 | 52.1 | 44.8 | 36.8 | 25.2 | | |
| RUN DBTF-MODEL 5 | 2500 | 23.7 | 35.7 | 40.0 | 42.3 | 44.9 | 46.2 | 48.1 | 49.4 | 50.6 | 49.0 | 46.5 | 38.3 | 29.7 | 15.1 | | |
| TAPE X50430 | 3150 | 13.4 | 26.9 | 32.5 | 35.6 | 38.0 | 40.3 | 42.1 | 43.2 | 43.4 | 42.1 | 37.5 | 29.6 | 19.7 | 1.9 | | |
| FAN TIP SPEED | 4000 | | 14.3 | 20.8 | 25.8 | 28.0 | 31.4 | 33.7 | 34.7 | 34.3 | 33.3 | 27.4 | 18.3 | 6.4 | | | |
| FT/SEC | 5000 | | 5.4 | 13.1 | 17.5 | 20.8 | 23.3 | 25.4 | 27.6 | 26.8 | 26.4 | 18.3 | 10.0 | | | | |
| | 6300 | | | | 4.9 | 9.6 | 11.0 | 13.2 | 18.7 | 14.3 | 18.2 | 5.3 | | | | | |
| | 8000 | | | | | | | 0.2 | 9.0 | 2.1 | 6.2 | | | | | | |
| OVERALL CALCULATED | 10000 | | | | | | | | | | | | | | | | |
| PNDB | 63.6 | 68.7 | 71.8 | 73.8 | 75.6 | 76.9 | 78.2 | 78.9 | 80.1 | 80.4 | 79.1 | 76.1 | 71.4 | 65.6 | | | |

-- PAGE 1 -- FULL SCALE DATA REDUCTION PROGRAM PROC. DATE MONTH 27 DAY 0 HR. 0.6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0. 0. 0. PWL | | |
|---|--|--|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|----|----|--------------|-------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 FREQ. (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (3.0) (3.14) (3.49) (3.66) | | | | | | | | | | | | | | | | | | | | | |
| NO. EGA | | 50 | 83.2 | 79.5 | 81.8 | 84.9 | 86.4 | 85.5 | 88.6 | 89.6 | 91.8 | 92.8 | 91.5 | 96.8 | 100.2 | 99.4 | | | | 151.5 | |
| RDG. NO. C. | | 63 | 79.3 | 79.1 | 79.6 | 79.3 | 80.2 | 81.1 | 83.5 | 84.5 | 86.2 | 87.2 | 90.2 | 97.4 | 99.1 | 96.3 | | | | 149.5 | |
| RADIAL 32 IN. FT. | | 80 | 79.8 | 79.9 | 80.4 | 79.7 | 80.4 | 80.2 | 82.8 | 83.9 | 86.9 | 87.7 | 90.9 | 96.1 | 97.9 | 99.3 | | | | 149.5 | |
| (98. 4) | | 125 | 81.1 | 79.4 | 81.5 | 80.9 | 80.8 | 81.2 | 83.4 | 84.8 | 86.9 | 89.6 | 91.2 | 93.9 | 93.8 | 92.9 | | | | 148.8 | |
| VEHICLE - JENOTS | | 160 | 79.7 | 79.7 | 80.9 | 80.0 | 81.2 | 81.4 | 85.4 | 84.9 | 86.4 | 89.9 | 92.3 | 94.5 | 92.7 | 89.7 | | | | 147.3 | |
| CCAFIG JENOTS | | 200 | 78.5 | 79.5 | 80.2 | 80.5 | 81.6 | 82.7 | 83.5 | 84.7 | 86.3 | 88.7 | 91.1 | 92.2 | 90.1 | 86.7 | | | | 145.8 | |
| LCC EVENDALE | | 250 | 79.1 | 78.6 | 78.5 | 80.9 | 82.0 | 82.6 | 83.0 | 84.8 | 86.2 | 88.1 | 89.9 | 91.0 | 88.3 | 85.5 | | | | 145.1 | |
| DATE 64-30-75 | | 315 | 78.0 | 78.5 | 79.2 | 78.9 | 79.8 | 80.6 | 82.2 | 83.6 | 85.8 | 87.5 | 88.0 | 89.4 | 85.4 | 82.5 | | | | 143.7 | |
| RUN DBTF-MODEL 5 | | 400 | 76.0 | 77.4 | 78.2 | 78.9 | 79.0 | 80.0 | 81.0 | 82.6 | 84.3 | 86.8 | 87.4 | 87.6 | 84.3 | 80.1 | | | | 142.6 | |
| TAPE X50460 | | 500 | 74.3 | 76.1 | 76.9 | 77.7 | 77.8 | 79.7 | 80.8 | 82.1 | 84.0 | 85.8 | 86.0 | 85.0 | 79.7 | 77.4 | | | | 141.4 | |
| BAR 29.3 HG | | 630 | 74.6 | 76.4 | 76.8 | 77.0 | 77.4 | 78.7 | 80.4 | 81.9 | 84.0 | 85.6 | 85.4 | 84.0 | 78.9 | 76.2 | | | | 141.0 | |
| (98807. N/42) | | 800 | 73.9 | 75.9 | 76.1 | 77.0 | 78.0 | 78.8 | 80.3 | 81.5 | 83.2 | 84.6 | 84.2 | 83.3 | 78.2 | 74.7 | | | | 140.4 | |
| TAMB 63. DEG F | | 1000 | 72.4 | 75.9 | 75.7 | 76.6 | 77.4 | 78.5 | 79.4 | 81.1 | 82.9 | 84.5 | 83.3 | 80.1 | 77.0 | 74.3 | | | | 139.9 | |
| (291. DEG K) | | 1250 | 71.9 | 75.9 | 76.4 | 76.4 | 77.1 | 78.3 | 78.9 | 81.4 | 83.0 | 83.3 | 83.3 | 78.6 | 76.1 | 73.9 | | | | 139.7 | |
| TWET 60. DEG F | | 1600 | 69.7 | 74.5 | 74.6 | 74.8 | 75.2 | 77.0 | 78.0 | 79.2 | 81.3 | 81.9 | 81.1 | 77.3 | 74.2 | 72.4 | | | | 138.3 | |
| (289. DEG K) | | 2000 | 66.9 | 71.5 | 72.2 | 72.3 | 73.4 | 75.0 | 76.6 | 78.3 | 79.6 | 80.3 | 78.7 | 74.7 | 72.0 | 69.8 | | | | 136.5 | |
| WACT 2. GM/M3 | | 2500 | 63.8 | 68.1 | 68.8 | 68.8 | 69.8 | 71.3 | 73.6 | 75.7 | 77.8 | 77.3 | 75.7 | 71.7 | 69.0 | 66.5 | | | | 134.0 | |
| (KG/M3) | | 3150 | 61.2 | 64.7 | 65.4 | 65.5 | 66.0 | 68.3 | 70.2 | 72.5 | 74.5 | 74.3 | 71.5 | 68.1 | 66.5 | 63.7 | | | | 131.2 | |
| FREQ. SHIFT | | 4000 | 55.5 | 59.8 | 60.1 | 60.5 | 61.1 | 63.9 | 66.5 | 68.9 | 69.6 | 70.3 | 67.4 | 65.0 | 63.6 | 60.7 | | | | 127.8 | |
| JET | | 5000 | 53.4 | 55.9 | 55.9 | 56.9 | 57.2 | 58.0 | 61.0 | 64.6 | 65.2 | 66.0 | 62.7 | 62.7 | 62.1 | 60.9 | | | | 124.0 | |
| DIAMETER RATIO | | 6300 | 54.5 | 53.7 | 52.7 | 54.2 | 55.9 | 55.7 | 56.7 | 64.4 | 61.6 | 65.0 | 62.3 | 64.8 | 63.9 | 62.7 | | | | 124.4 | |
| DF/DH 8.00 | | 8000 | 56.4 | 54.4 | 53.3 | 55.0 | 57.3 | 55.8 | 56.8 | 66.1 | 62.5 | 66.9 | 63.7 | 66.7 | 66.4 | 65.7 | | | | 123.0 | |
| OVERALL CALCULATED | | 12000 | 58.5 | 55.1 | 54.6 | 56.4 | 58.9 | 58.2 | 59.0 | 69.0 | 64.9 | 69.4 | 66.5 | 69.7 | 68.7 | 67.7 | | | | 123.1 | |
| PND8 | | 90.4 | 90.4 | 91.3 | 91.9 | 92.7 | 93.1 | 95.1 | 96.3 | 98.3 | 100.1 | 101.3 | 104.5 | 105.5 | 104.9 | | | | | 128.4 | |
| | | 94.7 | 96.7 | 97.2 | 97.6 | 98.4 | 99.5 | 101.1 | 103.1 | 104.6 | 105.9 | 105.9 | 106.5 | 105.2 | 104.4 | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. ALPHA 12/73 | | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 59.3 | 57.9 | 61.8 | 66.0 | 68.2 | 67.7 | 70.9 | 71.8 | 73.6 | 73.9 | 71.5 | 75.2 | 76.4 | 72.1 | | | |
| SIDELINE 2400 FT. | | 63 | 55.4 | 57.4 | 59.5 | 60.3 | 62.0 | 63.3 | 65.8 | 66.1 | 67.9 | 68.2 | 70.1 | 75.7 | 75.1 | 68.9 | | | |
| (731.52 M) | | 80 | 55.8 | 58.2 | 60.3 | 60.7 | 62.2 | 62.4 | 65.1 | 66.0 | 68.6 | 68.7 | 70.8 | 74.3 | 73.9 | 71.7 | | | |
| NFA 0. RPM | | 100 | 55.5 | 58.6 | 60.9 | 61.9 | 63.1 | 62.8 | 64.6 | 66.9 | 68.4 | 70.9 | 72.0 | 73.4 | 71.8 | 69.7 | | | |
| (0. RAD/SEC) | | 125 | 56.7 | 57.4 | 61.2 | 61.7 | 62.3 | 63.2 | 65.5 | 66.8 | 68.4 | 70.4 | 70.9 | 71.9 | 69.5 | 64.9 | | | |
| NFK 0. RPM | | 160 | 55.2 | 57.5 | 60.4 | 60.7 | 62.7 | 63.3 | 67.4 | 66.8 | 67.9 | 70.6 | 71.9 | 72.3 | 68.1 | 61.3 | | | |
| (0. RAD/SEC) | | 200 | 53.7 | 57.1 | 59.5 | 61.0 | 62.9 | 64.5 | 65.4 | 66.5 | 67.6 | 69.3 | 70.4 | 69.9 | 65.3 | 58.0 | | | |
| NFD 0. RPM | | 250 | 53.9 | 56.0 | 57.7 | 61.3 | 63.1 | 64.2 | 64.8 | 66.4 | 67.4 | 68.5 | 69.1 | 68.4 | 63.2 | 56.3 | | | |
| (0. RAD/SEC) | | 315 | 52.5 | 55.6 | 58.1 | 59.1 | 60.8 | 62.0 | 63.7 | 65.0 | 66.7 | 67.7 | 66.9 | 66.5 | 59.8 | 52.6 | | | |
| AIRFLOW RATIO | | 400 | 49.9 | 54.0 | 56.8 | 58.7 | 59.7 | 61.2 | 62.3 | 63.7 | 64.9 | 66.6 | 65.9 | 64.3 | 58.2 | 49.4 | | | |
| WF/WM 8.00 | | 500 | 47.6 | 52.3 | 55.1 | 57.2 | 58.2 | 60.6 | 61.8 | 63.0 | 64.3 | 65.3 | 64.1 | 61.2 | 53.0 | 45.8 | | | |
| | | 630 | 47.0 | 51.9 | 54.4 | 56.0 | 57.3 | 59.2 | 61.0 | 62.3 | 63.9 | 64.6 | 63.0 | 59.6 | 51.3 | 43.3 | | | |
| VERICLE JENOTS | | 800 | 45.1 | 50.6 | 53.0 | 55.4 | 57.4 | 58.7 | 60.3 | 61.4 | 62.5 | 62.9 | 61.1 | 58.0 | 49.5 | 40.1 | | | |
| CONFIG JE#257 | | 1000 | 42.2 | 49.5 | 51.7 | 54.3 | 56.1 | 57.7 | 58.8 | 60.3 | 61.6 | 62.2 | 59.3 | 53.7 | 46.9 | 37.6 | | | |
| LCC EVENDALE | | 1250 | 40.1 | 48.2 | 51.4 | 53.1 | 55.0 | 56.7 | 57.6 | 59.9 | 60.9 | 60.0 | 58.3 | 51.0 | 44.3 | 34.7 | | | |
| DATE 4-30-75 | | 1600 | 35.5 | 45.0 | 48.1 | 50.2 | 52.1 | 54.3 | 55.6 | 57.2 | 57.9 | 57.3 | 54.5 | 47.8 | 40.0 | 29.6 | | | |
| RUN DBTF-MODEL 5 | | 2000 | 29.8 | 39.8 | 43.9 | 46.1 | 48.6 | 50.9 | 52.8 | 54.3 | 54.8 | 54.1 | 50.3 | 43.0 | 34.8 | 22.7 | | | |
| TAPE X50460 | | 2500 | 22.4 | 33.2 | 37.8 | 40.3 | 42.9 | 45.2 | 47.9 | 49.6 | 50.9 | 48.8 | 44.7 | 36.8 | 27.7 | 13.1 | | | |
| FAN TIP SPEED | | 3150 | 12.2 | 24.7 | 30.2 | 33.4 | 35.8 | 39.1 | 41.3 | 43.2 | 44.2 | 42.1 | 36.3 | 28.1 | 18.4 | 0.2 | | | |
| FT/SEC | | 4000 | | 12.1 | 18.5 | 22.8 | 25.8 | 29.9 | 32.9 | 34.9 | 34.3 | 32.6 | 25.9 | 17.3 | 5.4 | | | | |
| | | 5000 | | 3.7 | 10.6 | 16.0 | 19.0 | 21.3 | 24.7 | 27.9 | 27.0 | 25.1 | 17.5 | 10.5 | | | | | |
| | | 6300 | | | | 3.9 | 9.1 | 10.8 | 12.4 | 19.5 | 14.8 | 14.7 | 6.3 | | | | | | |
| | | 8000 | | | | | | | 0.2 | 8.7 | 2.6 | 2.2 | | | | | | | |
| OVERALL CALCULATED | | 10000 | | | | | | | | | | | | | | | | | |
| PNDB | | | 65.6 | 67.7 | 70.4 | 72.2 | 73.8 | 74.5 | 76.8 | 77.8 | 79.4 | 80.4 | 80.6 | 82.5 | 81.4 | 77.3 | | | |
| | | | 64.4 | 68.9 | 72.0 | 74.0 | 75.7 | 77.2 | 78.8 | 80.3 | 81.6 | 82.5 | 81.9 | 81.0 | 76.5 | 71.0 | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE = MONTH 14 DAY 0 HR. 0.6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWLI |
|------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| REV. ALPHA 12/73 FREQ. | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 84.4 | 80.7 | 83.6 | 85.9 | 86.9 | 88.5 | 88.8 | 90.3 | 92.8 | 95.8 | 95.8 | 101.5 | 104.7 | 102.1 | | | 155.0 |
| REG. NO. 3. | | 63 | 84.3 | 83.6 | 84.3 | 83.5 | 83.7 | 84.9 | 87.2 | 88.2 | 90.9 | 91.9 | 96.0 | 103.1 | 105.6 | 100.6 | | | 155.2 |
| RADIAL 32. FT. | | 80 | 85.6 | 85.2 | 85.2 | 83.9 | 84.9 | 85.0 | 87.1 | 89.1 | 91.7 | 93.2 | 97.4 | 103.1 | 105.1 | 104.8 | | | 155.9 |
| (98. M) | | 100 | 85.2 | 84.9 | 85.4 | 85.3 | 85.5 | 84.8 | 86.4 | 89.6 | 91.5 | 94.5 | 98.2 | 102.0 | 103.0 | 105.0 | | | 155.2 |
| VEHICLE JENOTS | | 125 | 86.3 | 84.9 | 85.8 | 84.9 | 85.3 | 86.2 | 88.7 | 89.8 | 92.4 | 95.8 | 97.7 | 100.2 | 101.3 | 100.4 | | | 153.7 |
| CONFIC JEW 57 | | 160 | 84.5 | 84.7 | 85.4 | 85.3 | 85.7 | 86.4 | 89.9 | 89.9 | 91.9 | 95.4 | 98.8 | 101.5 | 99.4 | 98.4 | | | 153.7 |
| LOC EVENDALE | | 200 | 83.0 | 84.5 | 84.7 | 84.7 | 86.1 | 87.2 | 88.5 | 90.0 | 92.1 | 94.5 | 98.1 | 97.9 | 97.6 | 96.7 | | | 152.1 |
| DATE 04-30-75 | | 250 | 84.1 | 83.8 | 83.0 | 86.1 | 87.0 | 87.3 | 88.3 | 89.8 | 92.2 | 94.9 | 96.4 | 96.5 | 96.1 | 95.8 | | | 151.3 |
| RUN DBTF-MODEL 5 | | 315 | 82.8 | 83.3 | 83.5 | 83.7 | 84.8 | 85.4 | 87.4 | 89.6 | 91.8 | 93.5 | 94.2 | 95.2 | 93.4 | 93.2 | | | 149.8 |
| TAPE X50490 | | 400 | 81.0 | 81.9 | 82.7 | 83.7 | 84.3 | 85.0 | 86.2 | 88.3 | 90.5 | 93.3 | 93.1 | 93.6 | 91.3 | 90.6 | | | 148.7 |
| BAR 29.3 HG | | 500 | 78.8 | 79.9 | 80.7 | 81.7 | 82.8 | 84.0 | 85.8 | 87.6 | 89.7 | 91.8 | 91.5 | 90.7 | 88.0 | 86.7 | | | 147.0 |
| (98807. N/42) | | 630 | 78.4 | 79.7 | 80.0 | 81.0 | 81.7 | 83.2 | 85.2 | 87.4 | 89.7 | 91.1 | 90.6 | 89.5 | 85.4 | 82.7 | | | 146.3 |
| TAMB 65. DEG F | | 800 | 76.9 | 79.2 | 79.4 | 81.0 | 81.5 | 83.1 | 84.5 | 86.5 | 88.9 | 90.1 | 89.0 | 87.3 | 83.0 | 79.2 | | | 145.3 |
| (29.1. DEG K) | | 1000 | 75.9 | 78.4 | 78.4 | 79.9 | 80.9 | 82.7 | 83.6 | 86.1 | 87.6 | 89.0 | 87.8 | 85.6 | 81.8 | 78.5 | | | 144.3 |
| THET 60. DEG F | | 1250 | 75.4 | 78.1 | 78.1 | 79.2 | 80.4 | 81.3 | 82.6 | 85.7 | 87.5 | 87.8 | 86.5 | 82.9 | 79.3 | 76.4 | | | 143.5 |
| (289. DEG K) | | 1600 | 73.0 | 76.8 | 76.9 | 77.3 | 78.7 | 80.5 | 81.8 | 84.1 | 86.3 | 86.9 | 84.6 | 81.8 | 78.6 | 75.1 | | | 142.4 |
| HACT 0. GH/M3 | | 2000 | 70.9 | 74.0 | 74.5 | 75.0 | 77.7 | 78.7 | 80.3 | 83.1 | 84.6 | 85.3 | 82.4 | 79.7 | 76.5 | 73.1 | | | 141.0 |
| (1. KG/M3) | | 2500 | 67.5 | 71.3 | 71.5 | 72.13 | 74.1 | 75.3 | 78.1 | 79.9 | 82.5 | 82.8 | 80.2 | 77.4 | 73.7 | 71.0 | | | 138.7 |
| FREQ. SHIFT | | 3150 | 63.5 | 67.9 | 68.4 | 68.3 | 70.0 | 71.8 | 74.4 | 76.7 | 79.0 | 79.5 | 76.2 | 74.4 | 72.5 | 70.2 | | | 135.8 |
| JET 9 | | 4000 | 58.7 | 62.8 | 62.8 | 63.5 | 65.1 | 68.4 | 70.5 | 72.4 | 73.6 | 75.0 | 72.7 | 72.0 | 70.1 | 68.7 | | | 132.3 |
| DIAMETER RATIO | | 5000 | 55.7 | 58.4 | 58.6 | 59.2 | 62.5 | 63.8 | 65.7 | 67.4 | 69.0 | 71.8 | 70.0 | 70.9 | 69.9 | 70.1 | | | 129.5 |
| DF/DM 8.00 | | 6300 | 55.2 | 54.9 | 54.2 | 55.5 | 62.1 | 63.7 | 64.7 | 65.4 | 63.6 | 72.3 | 70.5 | 74.0 | 72.1 | 72.7 | | | 134.3 |
| OVERALL CALCULATED | | 8000 | 57.2 | 54.6 | 54.0 | 56.0 | 64.3 | 65.3 | 66.3 | 67.1 | 63.3 | 73.9 | 73.0 | 76.7 | 74.9 | 75.7 | | | 135.4 |
| PNDB | | 10000 | 59.0 | 55.8 | 55.1 | 56.9 | 66.9 | 67.5 | 69.0 | 69.5 | 64.7 | 76.4 | 75.7 | 79.5 | 76.7 | 77.9 | | | 140.5 |
| | | | 94.8 | 94.7 | 95.2 | 95.7 | 96.5 | 97.2 | 99.1 | 100.8 | 103.0 | 105.4 | 107.13 | 110.6 | 111.9 | 110.8 | | | 164.0 |
| | | | 99.0 | 100.0 | 100.3 | 101.2 | 102.7 | 103.8 | 105.5 | 107.7 | 109.5 | 111.3 | 111.8 | 112.8 | 112.0 | 111.7 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | |
|--------------------|--------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|----------|--|--|
| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | 50 | 63.6 | 59.1 | 63.5 | 67.0 | 68.7 | 68.7 | 71.2 | 72.5 | 74.6 | 76.9 | 75.7 | 79.9 | 80.9 | 74.8 | | | | | |
| NO EGA | 63 | 60.4 | 61.9 | 64.2 | 64.5 | 65.5 | 67.0 | 69.5 | 70.4 | 72.7 | 73.0 | 75.9 | 81.5 | 81.6 | 73.1 | | | | | |
| SIDELINE 2400 FT. | 80 | 61.5 | 63.5 | 65.1 | 64.9 | 66.7 | 67.1 | 69.4 | 71.2 | 73.4 | 74.2 | 77.3 | 81.3 | 81.1 | 77.2 | | | | | |
| (731.52 M) | 100 | 61.0 | 63.1 | 65.2 | 66.1 | 67.1 | 66.8 | 68.6 | 71.7 | 73.2 | 75.4 | 78.0 | 80.2 | 78.8 | 77.2 | | | | | |
| NFA | 125 | 62.0 | 62.9 | 65.4 | 65.7 | 66.8 | 68.2 | 70.8 | 71.8 | 73.9 | 76.6 | 77.4 | 78.2 | 77.0 | 72.4 | | | | | |
| (C. RPM) | 160 | 59.9 | 62.5 | 64.9 | 66.0 | 67.2 | 68.3 | 71.9 | 71.8 | 73.4 | 76.1 | 78.4 | 79.3 | 74.9 | 70.1 | | | | | |
| NFK | 230 | 58.2 | 62.1 | 64.0 | 65.3 | 67.4 | 69.0 | 70.4 | 71.7 | 73.4 | 75.0 | 77.4 | 75.6 | 72.8 | 68.0 | | | | | |
| (C. RPM) | 250 | 58.9 | 61.2 | 62.2 | 66.5 | 68.1 | 69.0 | 70.0 | 71.4 | 73.4 | 75.2 | 75.6 | 73.9 | 71.0 | 66.5 | | | | | |
| NFD | 315 | 57.2 | 60.4 | 62.4 | 63.8 | 65.8 | 66.8 | 69.0 | 71.0 | 72.7 | 73.7 | 73.1 | 72.3 | 67.8 | 63.3 | | | | | |
| (C. RAD/SEC) | 400 | 54.9 | 58.5 | 61.3 | 63.5 | 65.0 | 66.2 | 67.5 | 69.5 | 71.2 | 73.1 | 71.7 | 70.3 | 65.2 | 59.9 | | | | | |
| AIRFLOW RATIO | 500 | 52.1 | 56.1 | 58.8 | 61.2 | 63.2 | 64.8 | 66.8 | 68.5 | 70.1 | 71.3 | 69.6 | 66.9 | 61.2 | 55.0 | | | | | |
| WF/KM 8.00 | 630 | 50.8 | 55.2 | 57.6 | 60.0 | 61.6 | 63.7 | 65.8 | 67.8 | 69.6 | 70.1 | 68.2 | 65.1 | 57.8 | 49.8 | | | | | |
| | 800 | 48.1 | 53.9 | 56.3 | 59.4 | 60.9 | 63.0 | 64.6 | 66.4 | 68.3 | 68.4 | 65.9 | 62.0 | 54.2 | 44.6 | | | | | |
| VEHICLE | JE NOTS | 1000 | 45.7 | 52.0 | 54.5 | 57.5 | 59.6 | 62.0 | 63.1 | 65.3 | 66.3 | 66.7 | 63.8 | 59.2 | 51.7 | 41.9 | | | | |
| CONFIG | JE 157 | 1250 | 43.6 | 50.5 | 53.1 | 55.9 | 58.2 | 59.7 | 61.3 | 64.1 | 65.4 | 64.5 | 61.5 | 55.2 | 47.5 | 37.2 | | | | |
| LOC | EVENDALE | 1600 | 38.8 | 47.3 | 50.3 | 52.7 | 55.4 | 57.8 | 59.3 | 61.4 | 62.9 | 62.3 | 58.0 | 52.3 | 44.4 | 32.3 | | | | |
| DATE | 4-30-73 | 2000 | 33.8 | 42.3 | 46.1 | 48.8 | 52.9 | 54.7 | 56.5 | 59.0 | 59.8 | 59.1 | 54.1 | 48.0 | 39.3 | 25.9 | | | | |
| RUN | DBTF-MODEL 5 | 2500 | 26.2 | 36.4 | 40.5 | 43.8 | 47.2 | 49.2 | 52.4 | 53.9 | 55.6 | 54.3 | 49.2 | 42.5 | 32.4 | 17.6 | | | | |
| TAPE | X50490 | 3150 | 15.4 | 27.9 | 33.2 | 36.1 | 39.8 | 42.6 | 45.6 | 47.5 | 48.7 | 47.3 | 41.0 | 34.3 | 24.4 | 6.7 | | | | |
| FAN TIP SPEED | | 4000 | 0.6 | 15.1 | 21.3 | 25.8 | 29.8 | 34.4 | 36.9 | 38.4 | 38.3 | 37.3 | 31.1 | 24.3 | 11.9 | | | | | |
| FT/SEC | | 5000 | | 6.2 | 13.4 | 18.3 | 24.3 | 27.0 | 29.4 | 30.6 | 30.8 | 30.9 | 24.8 | 18.7 | 5.9 | | | | | |
| | | 6300 | | | | 5.2 | 15.3 | 18.8 | 20.4 | 20.5 | 16.8 | 22.0 | 14.5 | 8.7 | | | | | | |
| | | 8000 | | | | | 4.3 | 7.9 | 6.7 | 9.7 | 3.3 | 9.2 | 0.4 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 70.1 | 72.2 | 74.4 | 76.0 | 77.5 | 78.5 | 80.7 | 82.1 | 84.0 | 85.6 | 86.7 | 88.6 | 87.8 | 83.0 | | | | | |
| PND8 | | 69.4 | 73.4 | 76.0 | 78.5 | 80.5 | 81.9 | 83.7 | 85.6 | 87.3 | 88.5 | 88.4 | 87.8 | 84.4 | 79.7 | | | | | |

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | PWL | | |
|------------------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|--|--|
| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL | | |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| | NO. EGA | 50 | 82.4 | 80.2 | 82.1 | 84.2 | 85.4 | 84.5 | 87.1 | 88.8 | 91.3 | 93.8 | 93.5 | 99.0 | 102.5 | 100.6 | | | | 152.9 | | |
| | | 63 | 83.1 | 82.8 | 83.3 | 83.0 | 82.5 | 84.1 | 86.7 | 87.2 | 90.4 | 91.7 | 95.5 | 102.4 | 104.3 | 100.1 | | | | 154.3 | | |
| | REG. NO. | 80 | 83.6 | 83.7 | 83.9 | 82.7 | 83.9 | 84.0 | 86.8 | 88.4 | 90.9 | 91.9 | 95.9 | 100.8 | 103.4 | 103.0 | | | | 154.1 | | |
| | RADIAL 320. FT. | 100 | 83.5 | 83.4 | 83.6 | 84.0 | 84.3 | 84.3 | 85.9 | 88.4 | 90.8 | 93.8 | 96.5 | 100.3 | 101.5 | 102.0 | | | | 153.4 | | |
| | (98. M) | 125 | 83.8 | 82.4 | 83.8 | 83.1 | 83.5 | 85.4 | 87.4 | 88.3 | 90.9 | 93.6 | 95.7 | 97.4 | 97.6 | 96.9 | | | | 151.1 | | |
| | VEHICLE JENOTS | 160 | 82.5 | 82.4 | 83.4 | 83.0 | 84.2 | 85.2 | 88.2 | 88.4 | 90.9 | 93.9 | 96.8 | 98.7 | 98.7 | 94.9 | | | | 151.3 | | |
| | CCNFIG JE#057 | 200 | 81.3 | 82.7 | 82.9 | 83.7 | 84.8 | 85.7 | 87.0 | 89.0 | 90.3 | 92.7 | 95.8 | 94.9 | 93.4 | 92.7 | | | | 149.7 | | |
| | LOC EVENDALE | 250 | 82.3 | 81.8 | 82.3 | 84.4 | 85.0 | 85.8 | 86.5 | 88.6 | 90.2 | 91.9 | 93.9 | 94.0 | 91.8 | 91.8 | | | | 148.7 | | |
| | DATE 04-30-75 | 315 | 81.0 | 82.3 | 83.5 | 82.9 | 83.8 | 84.9 | 85.7 | 88.1 | 90.5 | 91.8 | 92.2 | 92.2 | 89.4 | 89.0 | | | | 147.7 | | |
| | RUN DBTF-MODEL 5 | 400 | 79.3 | 81.9 | 82.5 | 83.4 | 83.5 | 83.5 | 85.2 | 86.8 | 89.3 | 91.8 | 90.6 | 90.6 | 88.0 | 86.8 | | | | 146.8 | | |
| | TAPE X50510 | 500 | 77.6 | 80.4 | 81.4 | 82.5 | 82.6 | 83.0 | 84.8 | 87.1 | 89.0 | 90.8 | 89.7 | 87.7 | 84.2 | 82.4 | | | | 145.7 | | |
| | BAR 29.3 HG | 630 | 77.6 | 81.2 | 81.5 | 82.5 | 82.4 | 84.0 | 85.7 | 87.4 | 89.7 | 92.1 | 90.1 | 87.5 | 82.9 | 80.7 | | | | 146.4 | | |
| | (98807. N/M2) | 800 | 77.6 | 81.9 | 82.4 | 83.0 | 83.5 | 84.1 | 85.8 | 87.5 | 89.9 | 91.8 | 90.7 | 87.8 | 82.7 | 80.0 | | | | 146.6 | | |
| | TAMB 65. DEG F | 1000 | 77.4 | 81.9 | 82.2 | 83.1 | 82.9 | 84.7 | 85.6 | 87.3 | 89.4 | 91.0 | 89.3 | 86.6 | 82.3 | 80.0 | | | | 146.1 | | |
| | (291. DEG K) | 1250 | 76.7 | 82.4 | 82.9 | 82.9 | 83.4 | 84.5 | 85.4 | 87.7 | 89.5 | 90.8 | 88.8 | 84.9 | 81.8 | 79.7 | | | | 146.1 | | |
| | TWET 60. DEG F | 1600 | 76.0 | 82.3 | 83.1 | 82.6 | 83.7 | 84.5 | 86.0 | 87.4 | 89.6 | 90.2 | 87.3 | 83.3 | 81.6 | 78.9 | | | | 146.0 | | |
| | (289. DEG K) | 2000 | 73.9 | 80.0 | 80.5 | 80.5 | 81.7 | 82.7 | 84.6 | 86.3 | 88.4 | 87.8 | 85.2 | 81.2 | 79.5 | 77.1 | | | | 144.4 | | |
| | HACT 0. GM/M3 | 2500 | 69.3 | 76.1 | 77.3 | 76.8 | 77.3 | 79.0 | 81.4 | 83.9 | 85.8 | 84.8 | 82.2 | 78.2 | 76.0 | 73.8 | | | | 141.7 | | |
| | (1. KG/M3) | 3150 | 66.0 | 72.7 | 73.2 | 73.3 | 74.0 | 76.3 | 78.4 | 80.5 | 82.0 | 81.3 | 78.7 | 74.9 | 73.7 | 71.7 | | | | 138.8 | | |
| | FREQ. SHIFT | 4000 | 60.5 | 67.0 | 67.6 | 68.3 | 68.3 | 71.4 | 74.5 | 76.5 | 77.1 | 77.8 | 75.4 | 71.8 | 71.6 | 68.2 | | | | 135.4 | | |
| | JET 9 | 5000 | 57.2 | 62.1 | 63.1 | 63.2 | 64.7 | 65.8 | 69.0 | 71.1 | 72.5 | 73.3 | 71.5 | 71.2 | 71.4 | 70.1 | | | | 131.6 | | |
| | DIAMETER RATIO | 6300 | 55.2 | 56.9 | 57.4 | 58.5 | 63.1 | 64.2 | 65.9 | 66.6 | 66.4 | 71.3 | 70.5 | 73.3 | 73.4 | 72.0 | | | | 131.4 | | |
| | DF/DM 8.00 | 8000 | 57.2 | 55.1 | 54.5 | 56.2 | 64.8 | 65.3 | 66.3 | 67.1 | 63.5 | 73.2 | 72.7 | 76.2 | 76.4 | 75.5 | | | | 135.3 | | |
| | | 10000 | 58.0 | 55.6 | 54.9 | 56.9 | 66.9 | 67.5 | 68.8 | 69.5 | 65.2 | 75.7 | 76.5 | 79.0 | 78.7 | 77.2 | | | | 140.6 | | |
| | OVERALL CALCULATED | | 93.2 | 94.5 | 95.2 | 95.5 | 96.1 | 96.9 | 98.7 | 100.4 | 102.6 | 104.5 | 105.8 | 108.6 | 109.8 | 108.5 | | | | 162.6 | | |
| | PNDB | | 98.8 | 102.7 | 103.5 | 103.5 | 104.6 | 105.6 | 107.4 | 109.2 | 111.1 | 112.2 | 111.2 | 111.2 | 110.6 | 109.7 | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 58.6 | 58.6 | 62.0 | 65.2 | 67.2 | 68.7 | 69.4 | 71.0 | 73.1 | 74.9 | 73.5 | 77.4 | 78.6 | 73.3 | | |
| SIDELINE 2400 FT. | 63 | 59.1 | 61.2 | 63.2 | 64.0 | 64.2 | 66.3 | 69.5 | 69.4 | 72.2 | 72.7 | 75.4 | 80.7 | 80.4 | 72.6 | | |
| (731.52 M) | 80 | 59.5 | 62.0 | 63.8 | 63.7 | 65.7 | 66.1 | 69.1 | 70.5 | 72.6 | 72.9 | 75.8 | 79.1 | 79.4 | 75.5 | | |
| NFA | 100 | 59.3 | 61.6 | 63.4 | 64.9 | 65.9 | 66.3 | 68.1 | 70.4 | 72.4 | 74.6 | 76.2 | 78.4 | 77.3 | 74.2 | | |
| (0. RPM) | 125 | 59.5 | 60.4 | 63.4 | 64.0 | 65.1 | 67.4 | 69.5 | 70.3 | 72.4 | 74.4 | 75.4 | 75.4 | 73.3 | 68.9 | | |
| (0. RAD/SEC) | 160 | 57.9 | 60.3 | 62.9 | 63.7 | 65.7 | 67.0 | 70.2 | 70.3 | 72.4 | 74.6 | 76.4 | 76.6 | 71.1 | 66.6 | | |
| NFK | 200 | 56.5 | 60.4 | 62.3 | 64.3 | 66.1 | 67.5 | 68.9 | 70.7 | 71.6 | 73.3 | 75.2 | 72.6 | 68.5 | 64.0 | | |
| (0. RPM) | 250 | 57.2 | 59.2 | 61.4 | 64.8 | 66.1 | 67.5 | 68.3 | 70.2 | 71.4 | 72.2 | 73.1 | 71.4 | 66.7 | 62.5 | | |
| (0. RAD/SEC) | 315 | 55.5 | 59.4 | 62.4 | 63.1 | 64.8 | 66.3 | 67.2 | 69.5 | 71.4 | 71.9 | 71.1 | 69.3 | 63.8 | 59.1 | | |
| (0. RPM) | 400 | 53.1 | 58.5 | 61.0 | 63.2 | 64.2 | 64.7 | 66.5 | 68.0 | 69.9 | 71.6 | 69.2 | 67.3 | 61.9 | 56.1 | | |
| AIRFLOW RATIO | 500 | 50.8 | 56.6 | 59.8 | 62.0 | 62.9 | 63.8 | 65.8 | 68.0 | 69.3 | 70.3 | 67.9 | 63.9 | 57.5 | 50.8 | | |
| WF/W 8.00 | 630 | 50.0 | 56.7 | 59.1 | 61.5 | 62.3 | 64.4 | 66.3 | 67.8 | 69.6 | 71.1 | 67.7 | 63.1 | 55.3 | 47.8 | | |
| | 800 | 48.9 | 56.6 | 59.3 | 61.4 | 62.9 | 64.0 | 65.8 | 67.4 | 69.3 | 70.2 | 67.6 | 62.5 | 54.0 | 45.3 | | |
| VEHICLE JENOTS | 1000 | 47.2 | 55.5 | 58.2 | 60.8 | 61.6 | 64.0 | 65.1 | 66.6 | 68.1 | 68.7 | 65.3 | 60.2 | 52.2 | 43.4 | | |
| CONFIG JENOTS | 1250 | 44.9 | 54.7 | 57.2 | 59.6 | 61.2 | 63.0 | 64.1 | 66.1 | 67.4 | 67.5 | 63.8 | 57.2 | 50.0 | 40.5 | | |
| LOC EVENDALE | 1600 | 41.8 | 52.8 | 56.6 | 58.0 | 60.4 | 61.8 | 63.6 | 64.7 | 66.2 | 65.6 | 60.8 | 53.8 | 47.4 | 36.1 | | |
| DATE 04-30-75 | 2000 | 36.8 | 48.3 | 52.1 | 54.3 | 56.9 | 58.7 | 60.8 | 62.3 | 63.5 | 61.6 | 56.8 | 49.5 | 42.3 | 29.9 | | |
| RUN DBTF-MODEL 5 | 2500 | 27.9 | 41.2 | 46.3 | 48.3 | 50.4 | 53.0 | 54.6 | 57.9 | 58.9 | 56.3 | 51.2 | 43.3 | 34.7 | 20.4 | | |
| TAPE X50510 | 3150 | 17.9 | 32.7 | 38.0 | 41.1 | 43.8 | 47.1 | 49.6 | 51.2 | 51.7 | 49.1 | 43.5 | 34.8 | 25.7 | 8.2 | | |
| FAN TIP SPEED | 4000 | 2.3 | 19.3 | 26.0 | 30.6 | 33.0 | 37.4 | 40.9 | 42.5 | 41.8 | 40.1 | 33.9 | 24.1 | 13.4 | | | |
| FT/SEC | 5000 | | 9.9 | 17.9 | 22.3 | 26.5 | 29.0 | 32.7 | 34.4 | 34.3 | 32.4 | 26.3 | 19.0 | 7.4 | | | |
| | 6300 | | | 1.4 | 8.2 | 16.3 | 19.3 | 21.7 | 21.7 | 19.6 | 21.0 | 14.5 | 8.0 | | | | |
| | 8000 | | | | | 4.8 | 7.9 | 9.7 | 9.7 | 3.6 | 8.4 | 0.2 | | | | | |
| | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 68.3 | 71.1 | 73.6 | 75.2 | 76.6 | 77.8 | 79.8 | 81.3 | 83.1 | 84.4 | 85.0 | 86.6 | 85.7 | 80.8 | | |
| PND8 | | 68.2 | 74.0 | 77.3 | 79.2 | 81.1 | 82.7 | 84.6 | 86.1 | 87.7 | 88.0 | 87.1 | 85.6 | 82.1 | 76.6 | | |

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MODEL 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE - MONTH 5 DAY 5 HR, 15.0
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|-------|
| | | 30. | 60. | 90. | 120. | 150. | 180. | 210. | 240. | 270. | 300. | 330. | 360. | 390. | 420. | 450. | 480. | 0. | 0. | 0. |
| | | (0.52) | (1.05) | (1.57) | (2.10) | (2.62) | (3.14) | (3.67) | (4.19) | (4.71) | (5.24) | (5.76) | (6.28) | (6.81) | (7.33) | (7.85) | (8.38) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ. | 50 | 76.7 | 77.1 | 77.4 | 79.4 | 78.7 | 80.3 | 81.8 | 82.6 | 84.1 | 82.8 | 88.8 | 91.7 | 91.9 | | | | | 143.3 |
| | NO EGA | 63 | 74.6 | 75.6 | 77.3 | 76.0 | 77.2 | 78.4 | 80.0 | 81.0 | 82.7 | 83.7 | 84.7 | 90.9 | 91.3 | 93.3 | | | | 143.9 |
| RDG. NO. 0. | 80 | 75.6 | 77.5 | 79.0 | 77.5 | 79.0 | 78.5 | 81.1 | 82.6 | 82.7 | 83.0 | 84.7 | 88.8 | 90.4 | 94.1 | | | | | 143.7 |
| RADIAL 320, FT. | 100 | 77.2 | 78.4 | 78.4 | 78.5 | 79.0 | 79.0 | 79.9 | 82.6 | 83.0 | 85.8 | 87.5 | 89.8 | 90.0 | 92.7 | | | | | 144.0 |
| (98, H) | 125 | 77.8 | 76.9 | 78.5 | 78.2 | 80.0 | 80.7 | 81.7 | 82.8 | 83.4 | 86.1 | 86.5 | 89.2 | 89.4 | 88.4 | | | | | 143.3 |
| VEHICLE JENOTS | 160 | 77.0 | 76.7 | 78.6 | 78.5 | 79.2 | 79.7 | 81.2 | 82.4 | 82.9 | 85.1 | 86.6 | 89.7 | 87.2 | 85.7 | | | | | 142.7 |
| CONFIG JE-057 | 200 | 76.8 | 76.2 | 78.7 | 78.5 | 78.8 | 80.0 | 81.3 | 82.2 | 82.3 | 84.3 | 86.3 | 86.5 | 84.4 | 82.5 | | | | | 141.5 |
| LOC EVENDALE | 250 | 78.3 | 76.8 | 77.3 | 79.2 | 79.5 | 80.4 | 80.3 | 81.6 | 82.0 | 83.6 | 84.9 | 85.8 | 83.1 | 80.8 | | | | | 140.9 |
| DATE 04-29-75 | 315 | 77.1 | 77.8 | 78.3 | 77.2 | 78.6 | 79.4 | 80.2 | 81.7 | 82.5 | 83.6 | 84.3 | 84.4 | 80.9 | 78.7 | | | | | 140.4 |
| RUN DBTF-MODEL 6 | 400 | 76.1 | 77.9 | 78.3 | 79.2 | 79.6 | 80.4 | 80.8 | 82.1 | 82.3 | 84.4 | 84.2 | 84.1 | 80.1 | 78.1 | | | | | 140.7 |
| TAPE X60010 | 500 | 75.0 | 78.0 | 78.8 | 79.1 | 79.4 | 80.9 | 81.7 | 83.0 | 83.1 | 84.7 | 84.6 | 82.3 | 78.6 | 77.0 | | | | | 140.9 |
| BAR 29.9 HG | 630 | 74.5 | 78.3 | 78.4 | 78.6 | 79.1 | 80.1 | 81.3 | 82.8 | 83.3 | 85.0 | 86.0 | 83.4 | 78.8 | 76.9 | | | | | 141.2 |
| (01039, N/M2) | 800 | 74.1 | 77.4 | 78.1 | 78.7 | 80.0 | 80.8 | 81.2 | 83.0 | 82.9 | 83.8 | 83.5 | 81.3 | 78.4 | 76.7 | | | | | 140.6 |
| TAMO 59, DEG F | 1000 | 73.9 | 78.0 | 78.5 | 79.0 | 80.0 | 80.0 | 81.2 | 83.4 | 84.5 | 86.4 | 84.6 | 80.9 | 77.8 | 77.1 | | | | | 141.5 |
| (288, DEG K) | 1250 | 73.9 | 78.9 | 79.6 | 79.2 | 79.9 | 79.8 | 79.9 | 83.2 | 84.0 | 87.1 | 86.8 | 80.4 | 78.1 | 77.4 | | | | | 142.0 |
| THET 53, DEG F | 1600 | 72.4 | 77.9 | 78.8 | 77.7 | 79.1 | 78.6 | 78.9 | 81.5 | 82.5 | 85.3 | 86.0 | 78.9 | 77.1 | 76.0 | | | | | 140.9 |
| (285, DEG K) | 2000 | 69.7 | 75.5 | 75.5 | 74.6 | 76.2 | 75.5 | 76.1 | 78.4 | 79.2 | 81.8 | 82.5 | 76.3 | 74.5 | 72.9 | | | | | 137.9 |
| HACT 8.91 GM/M3 | 2500 | 65.2 | 70.7 | 71.4 | 70.7 | 71.0 | 71.7 | 72.5 | 74.3 | 74.7 | 78.9 | 78.3 | 72.3 | 70.6 | 68.9 | | | | | 134.6 |
| (.00891 KG/M3) | 3150 | 62.2 | 67.4 | 67.9 | 67.7 | 67.2 | 68.3 | 69.1 | 70.2 | 72.7 | 74.7 | 73.2 | 68.6 | 67.4 | 66.1 | | | | | 131.0 |
| FREQ. SHIFT | 4000 | 57.7 | 62.7 | 62.8 | 62.5 | 62.0 | 64.8 | 65.2 | 66.3 | 68.0 | 70.5 | 68.6 | 65.0 | 63.5 | 62.2 | | | | | 127.4 |
| JET 9 | 5000 | 56.2 | 58.9 | 58.9 | 58.5 | 58.3 | 63.6 | 59.5 | 61.4 | 64.1 | 66.1 | 64.3 | 61.2 | 61.4 | 60.9 | | | | | 124.0 |
| DIAMETER RATIO | 6300 | 54.1 | 55.3 | 54.6 | 55.4 | 55.5 | 61.1 | 55.6 | 57.8 | 62.0 | 65.7 | 63.2 | 62.7 | 62.3 | 62.4 | | | | | 123.8 |
| DF/DM 8.00 | 8000 | 55.1 | 55.1 | 54.0 | 55.2 | 56.5 | 70.3 | 55.0 | 57.3 | 63.5 | 67.7 | 65.0 | 64.7 | 64.6 | 64.7 | | | | | 120.0 |
| | 10000 | 56.4 | 54.8 | 54.8 | 56.1 | 58.1 | 64.7 | 56.2 | 58.4 | 64.9 | 70.6 | 66.9 | 67.4 | 67.4 | 67.1 | | | | | 113.2 |
| OVERALL CALCULATED | | 88.1 | 89.8 | 90.7 | 90.6 | 91.5 | 92.0 | 92.9 | 94.6 | 95.2 | 97.2 | 97.7 | 98.9 | 98.7 | 100.0 | | | | | 154.4 |
| PNDR | | 94.7 | 98.3 | 99.0 | 98.6 | 99.6 | 100.3 | 100.4 | 102.5 | 103.5 | 105.9 | 106.1 | 103.1 | 101.6 | 101.8 | | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) |
| NO EGA | 50 | 52.8 | 52.6 | 57.0 | 58.5 | 61.2 | 60.9 | 62.7 | 64.0 | 64.3 | 65.1 | 62.7 | 67.2 | 67.9 | 64.6 | | | |
| SIDELINE 2400, FT. | 63 | 50.6 | 53.9 | 57.2 | 57.0 | 59.0 | 60.5 | 62.3 | 63.1 | 64.4 | 64.7 | 64.6 | 69.2 | 67.4 | 65.9 | | | |
| (731.52 M) | 80 | 51.5 | 55.7 | 58.8 | 58.4 | 60.7 | 60.6 | 63.4 | 64.7 | 64.4 | 63.9 | 64.6 | 67.1 | 66.4 | 66.5 | | | |
| NFA | 100 | 53.0 | 56.6 | 58.2 | 59.4 | 60.6 | 61.1 | 62.1 | 64.7 | 64.7 | 66.7 | 67.2 | 67.9 | 65.8 | 64.9 | | | |
| (0, RPM) | 125 | 53.5 | 54.9 | 58.2 | 59.0 | 61.6 | 62.7 | 63.8 | 64.8 | 64.9 | 66.9 | 66.1 | 67.2 | 65.0 | 60.4 | | | |
| (0, RAD/SEC) | 160 | 52.4 | 54.6 | 58.1 | 59.2 | 60.7 | 61.6 | 63.2 | 64.3 | 64.4 | 65.8 | 66.1 | 67.6 | 62.6 | 57.3 | | | |
| NFK | 200 | 52.0 | 55.9 | 56.0 | 59.0 | 60.1 | 61.8 | 63.2 | 64.0 | 63.7 | 64.8 | 65.7 | 64.1 | 59.6 | 53.7 | | | |
| (0, RAD/SEC) | 250 | 53.2 | 54.3 | 56.4 | 59.5 | 60.6 | 62.0 | 63.2 | 63.1 | 64.0 | 64.1 | 63.2 | 58.0 | 51.5 | | | | |
| NFD | 315 | 51.5 | 54.9 | 57.2 | 57.3 | 59.5 | 60.8 | 61.8 | 63.1 | 63.5 | 63.7 | 63.2 | 61.6 | 55.4 | 48.9 | | | |
| (0, RAD/SEC) | 400 | 50.0 | 54.6 | 56.8 | 59.1 | 60.3 | 61.5 | 62.1 | 63.3 | 63.0 | 64.2 | 62.7 | 60.8 | 54.0 | 47.5 | | | |
| AIRFLOW RATIO | 500 | 48.2 | 54.2 | 56.9 | 58.6 | 59.8 | 61.7 | 62.6 | 63.8 | 63.4 | 64.2 | 62.7 | 58.5 | 51.8 | 45.4 | | | |
| WF/WM 8.00 | 630 | 46.9 | 53.8 | 56.0 | 57.6 | 59.0 | 60.5 | 61.9 | 63.2 | 63.3 | 64.0 | 63.6 | 58.9 | 51.2 | 43.9 | | | |
| | 800 | 45.3 | 52.1 | 55.0 | 57.1 | 59.3 | 60.7 | 61.3 | 62.9 | 62.2 | 62.1 | 60.3 | 55.9 | 49.7 | 42.0 | | | |
| VEHICLE JENOTS | 1000 | 43.8 | 51.6 | 54.5 | 56.6 | 58.6 | 59.3 | 60.6 | 62.6 | 63.1 | 64.0 | 60.7 | 54.6 | 47.7 | 40.4 | | | |
| CONFIG JE-057 | 1250 | 42.1 | 51.2 | 54.6 | 55.9 | 57.7 | 58.2 | 58.6 | 61.7 | 61.9 | 63.8 | 61.8 | 52.7 | 46.3 | 38.2 | | | |
| LOC EVENDALE | 1600 | 38.1 | 48.4 | 52.2 | 53.1 | 55.7 | 55.9 | 56.4 | 58.8 | 59.1 | 60.7 | 59.4 | 49.4 | 42.9 | 33.2 | | | |
| DATE 04-29-75 | 2000 | 32.6 | 43.8 | 47.2 | 48.4 | 51.4 | 51.5 | 52.3 | 54.3 | 54.3 | 55.6 | 54.1 | 44.6 | 37.4 | 25.7 | | | |
| RUN DBTF-MODEL 8 | 2500 | 23.8 | 35.8 | 40.4 | 42.2 | 44.1 | 45.6 | 46.8 | 48.3 | 49.8 | 50.4 | 47.4 | 37.4 | 29.3 | 15.5 | | | |
| TAPE X60010 | 3150 | 14.1 | 27.4 | 32.7 | 35.6 | 37.0 | 39.0 | 40.3 | 40.9 | 42.4 | 42.5 | 38.0 | 28.5 | 19.4 | 2.6 | | | |
| FAN TIP SPEED | 4000 | | 15.0 | 21.2 | 24.8 | 26.7 | 30.8 | 31.6 | 32.3 | 32.7 | 32.8 | 27.0 | 17.2 | 5.4 | | | | |
| FT/SEC | 5000 | | 6.7 | 13.7 | 17.6 | 20.1 | 26.8 | 23.2 | 24.7 | 25.8 | 25.2 | 19.1 | 9.0 | | | | | |
| | 6300 | | | | 5.1 | 8.7 | 16.2 | 11.3 | 12.9 | 15.2 | 15.4 | 7.2 | | | | | | |
| | 8000 | | | | | | 12.9 | | | 3.6 | 2.9 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 82.7 | 66.2 | 69.0 | 70.2 | 71.9 | 72.9 | 74.1 | 75.5 | 75.6 | 76.6 | 76.1 | 76.6 | 74.4 | 72.2 | | | |
| PNRB | | 83.6 | 69.4 | 72.7 | 74.1 | 76.3 | 77.2 | 78.1 | 79.9 | 80.1 | 81.3 | 80.0 | 78.6 | 71.3 | 66.7 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | | |
|--------------------|------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | | |
| REV, ALPHA 12/73 | FREQ | 50 | 77.4 | 75.2 | 78.3 | 78.9 | 80.9 | 81.6 | 83.3 | 84.6 | 87.1 | 85.5 | 91.3 | 95.0 | 93.6 | | | | | 145.7 | |
| | | 63 | 76.6 | 78.1 | 79.3 | 78.3 | 80.0 | 81.1 | 82.5 | 84.0 | 84.9 | 85.7 | 87.7 | 93.4 | 94.1 | 96.1 | | | | 146.5 | |
| NO EGA | | 80 | 77.6 | 79.2 | 80.5 | 79.7 | 80.7 | 80.8 | 83.6 | 84.4 | 85.4 | 86.2 | 87.5 | 91.6 | 92.7 | 95.8 | | | | 146.0 | |
| RDG, NO, 0. | | 100 | 79.2 | 79.7 | 79.9 | 80.5 | 81.3 | 81.3 | 82.7 | 85.1 | 85.8 | 88.5 | 90.5 | 91.5 | 91.2 | 93.0 | | | | 145.9 | |
| RADIAL 320. FT. | | 125 | 79.8 | 78.9 | 80.5 | 81.2 | 82.0 | 83.2 | 84.2 | 84.8 | 85.9 | 88.3 | 88.7 | 91.4 | 89.9 | 88.2 | | | | 145.2 | |
| (98. M) | | 160 | 79.0 | 79.4 | 80.6 | 80.3 | 81.5 | 82.2 | 83.9 | 84.9 | 85.4 | 87.6 | 89.3 | 91.2 | 88.2 | 85.2 | | | | 144.7 | |
| VEHICLE JENOTS | | 200 | 78.8 | 80.7 | 80.7 | 81.0 | 81.8 | 83.0 | 84.0 | 85.5 | 85.8 | 87.3 | 88.1 | 88.7 | 85.6 | 83.5 | | | | 144.0 | |
| CONFIG JE-057 | | 250 | 80.8 | 80.6 | 80.8 | 82.2 | 82.5 | 83.6 | 83.5 | 85.1 | 85.7 | 87.1 | 87.7 | 88.0 | 84.3 | 82.3 | | | | 143.8 | |
| LOC EVENDALE | | 315 | 79.3 | 81.3 | 81.8 | 80.5 | 82.1 | 82.9 | 84.0 | 85.7 | 86.8 | 88.3 | 87.5 | 86.7 | 82.4 | 80.7 | | | | 143.9 | |
| DATE 04-29-75 | | 400 | 79.3 | 81.9 | 82.3 | 82.7 | 84.1 | 84.6 | 85.0 | 86.1 | 87.3 | 89.4 | 87.7 | 85.9 | 82.8 | 81.1 | | | | 144.7 | |
| RUN DBTF-MODEL 8 | | 500 | 79.2 | 83.5 | 83.8 | 84.6 | 85.4 | 86.6 | 87.2 | 88.7 | 89.3 | 90.9 | 87.8 | 85.3 | 82.1 | 81.0 | | | | 146.3 | |
| TAPE X60030 | | 630 | 80.5 | 85.0 | 84.9 | 85.4 | 86.6 | 87.9 | 88.6 | 89.5 | 91.1 | 93.3 | 89.2 | 86.1 | 83.0 | 82.1 | | | | 147.8 | |
| BAR 29.9 HG | | 800 | 81.8 | 88.2 | 88.1 | 87.7 | 88.2 | 88.5 | 89.0 | 90.2 | 90.6 | 93.5 | 90.5 | 86.3 | 85.4 | 83.7 | | | | 148.7 | |
| (01039, N/M2) | | 1000 | 79.2 | 83.7 | 84.7 | 85.7 | 86.5 | 88.0 | 88.7 | 91.4 | 92.0 | 93.1 | 88.9 | 85.2 | 82.8 | 82.6 | | | | 148.3 | |
| TAMB 59, DEG F | | 1250 | 79.1 | 83.3 | 85.1 | 86.2 | 86.6 | 87.3 | 88.1 | 90.9 | 93.0 | 93.1 | 88.3 | 84.6 | 82.3 | 81.9 | | | | 148.4 | |
| (288, DEG K) | | 1600 | 79.6 | 84.4 | 84.8 | 85.5 | 85.9 | 86.6 | 87.9 | 90.5 | 92.0 | 93.8 | 87.5 | 83.7 | 82.4 | 81.5 | | | | 148.3 | |
| THET 53, DEG F | | 2000 | 78.7 | 83.8 | 84.0 | 83.3 | 84.7 | 85.3 | 86.6 | 89.1 | 91.4 | 92.6 | 87.0 | 83.0 | 82.8 | 81.6 | | | | 147.5 | |
| (285, DEG K) | | 2500 | 77.7 | 84.0 | 83.2 | 82.7 | 82.0 | 81.9 | 83.3 | 86.3 | 88.7 | 89.4 | 84.6 | 81.1 | 81.6 | 81.2 | | | | 145.2 | |
| HACT 8.91 GM/M3 | | 3150 | 74.4 | 81.9 | 81.4 | 80.5 | 80.0 | 80.0 | 80.6 | 82.7 | 84.9 | 85.2 | 80.4 | 78.1 | 79.7 | 79.6 | | | | 142.5 | |
| (.00891 KG/M3) | | 4000 | 69.4 | 76.5 | 77.0 | 76.5 | 74.5 | 75.6 | 76.7 | 78.8 | 79.7 | 81.2 | 76.6 | 73.7 | 75.0 | 73.4 | | | | 138.8 | |
| FREQ, SHIFT | | 5000 | 64.5 | 71.4 | 72.2 | 71.5 | 70.0 | 71.1 | 71.8 | 74.2 | 75.6 | 75.6 | 71.1 | 68.5 | 68.9 | 67.9 | | | | 134.3 | |
| JET 9 | | 6300 | 60.4 | 68.1 | 67.3 | 67.1 | 65.8 | 66.1 | 67.6 | 70.0 | 71.3 | 72.4 | 67.4 | 65.4 | 65.5 | 65.1 | | | | 131.4 | |
| DIAETER RATIO | | 8000 | 57.4 | 62.1 | 64.5 | 65.2 | 65.3 | 64.5 | 66.0 | 68.8 | 67.5 | 70.7 | 66.2 | 65.7 | 65.1 | 65.2 | | | | 131.5 | |
| DP/DM 8.00 | | 10000 | 57.2 | 56.8 | 63.3 | 64.8 | 66.6 | 69.7 | 66.5 | 69.2 | 66.1 | 72.1 | 67.4 | 67.9 | 66.7 | 66.9 | | | | 135.2 | |
| OVERALL CALCULATED | | PND8 | 101.6 | 109.6 | 109.6 | 106.5 | 106.8 | 107.4 | 108.5 | 110.7 | 112.3 | 113.6 | 109.7 | 107.6 | 107.0 | 106.5 | | | | 159.2 | |

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 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| REV, ALPHA 12/73 | FREQ | 50 | 53.6 | 53.6 | 56.3 | 60.0 | 62.7 | 62.9 | 63.9 | 65.5 | 66.3 | 68.1 | 65.5 | 69.7 | 71.1 | 66.3 | | | |
| NO EGA | | 63 | 52.6 | 56.4 | 59.2 | 59.3 | 61.7 | 63.3 | 64.8 | 66.1 | 66.7 | 66.7 | 67.6 | 71.7 | 70.1 | 68.6 | | | |
| SIDELINE 2400, FT, | 80 | 53.5 | 57.5 | 60.3 | 60.7 | 62.4 | 62.9 | 65.9 | 66.5 | 67.1 | 67.2 | 67.3 | 69.8 | 68.6 | 68.2 | | | | |
| (731.52 M) | | 100 | 55.0 | 57.8 | 59.7 | 61.4 | 62.9 | 63.3 | 64.9 | 67.2 | 67.4 | 69.4 | 70.2 | 69.7 | 67.0 | 65.2 | | | |
| NFA | 0: RPM | 125 | 55.5 | 56.9 | 60.2 | 62.0 | 63.6 | 65.2 | 66.3 | 66.8 | 67.4 | 69.2 | 68.4 | 69.5 | 65.5 | 60.2 | | | |
| (| 0: RAD/SEC) | 160 | 54.4 | 57.3 | 60.1 | 61.0 | 62.9 | 64.1 | 65.9 | 66.8 | 66.9 | 68.3 | 68.9 | 69.1 | 63.6 | 56.8 | | | |
| NFK | 0: RPM | 200 | 54.0 | 59.4 | 60.0 | 61.5 | 63.1 | 64.8 | 65.9 | 67.3 | 67.2 | 67.8 | 67.5 | 66.4 | 60.8 | 54.7 | | | |
| (| 0: RAD/SEC) | 250 | 55.7 | 59.0 | 59.9 | 62.5 | 63.6 | 65.2 | 65.3 | 66.7 | 66.9 | 67.5 | 66.8 | 65.4 | 59.2 | 53.0 | | | |
| NPD | 0: RPM | 315 | 53.7 | 58.4 | 60.7 | 60.6 | 63.0 | 64.3 | 65.5 | 67.1 | 67.7 | 68.5 | 66.4 | 63.8 | 56.9 | 50.9 | | | |
| (| 0: RAD/SEC) | 400 | 53.2 | 56.6 | 60.8 | 62.6 | 64.8 | 65.7 | 66.3 | 67.3 | 68.0 | 69.2 | 66.2 | 62.6 | 56.7 | 50.5 | | | |
| AIRFLOW RATIO | 500 | 52.4 | 59.7 | 61.9 | 64.1 | 65.8 | 67.4 | 68.1 | 69.6 | 69.7 | 70.4 | 66.0 | 61.5 | 55.3 | 49.4 | | | | |
| WF/WB 8.00 | 630 | 52.9 | 60.6 | 62.5 | 64.4 | 66.5 | 68.3 | 69.2 | 70.0 | 71.0 | 72.3 | 66.8 | 61.7 | 55.4 | 49.2 | | | | |
| | 800 | 53.1 | 63.6 | 65.0 | 66.1 | 67.6 | 68.4 | 69.0 | 70.1 | 70.0 | 71.9 | 67.3 | 60.9 | 56.7 | 49.0 | | | | |
| VEHICLE | JENOTS | 1000 | 49.1 | 57.4 | 60.8 | 63.4 | 65.1 | 67.3 | 68.1 | 70.6 | 70.6 | 70.8 | 64.9 | 58.8 | 52.7 | 45.9 | | | |
| CONFIG | JE-057 | 1250 | 47.3 | 55.7 | 60.1 | 62.9 | 64.4 | 65.7 | 66.8 | 69.4 | 70.9 | 69.8 | 63.3 | 57.0 | 50.5 | 42.7 | | | |
| LOC | EVENDALE | 1600 | 45.4 | 54.9 | 58.2 | 60.9 | 62.5 | 63.9 | 65.4 | 67.8 | 68.6 | 69.2 | 60.9 | 54.2 | 48.1 | 38.7 | | | |
| DATE | 04-29-79 | 2000 | 41.6 | 52.1 | 55.7 | 57.1 | 59.9 | 61.2 | 62.8 | 65.1 | 66.6 | 66.4 | 58.6 | 51.3 | 45.6 | 34.5 | | | |
| RUN | DBTF-MODEL 8 | 2500 | 36.3 | 49.1 | 52.2 | 54.2 | 55.1 | 55.9 | 57.5 | 60.3 | 61.8 | 60.9 | 53.6 | 46.2 | 40.3 | 27.8 | | | |
| TAPE | X60030 | 3150 | 26.4 | 41.9 | 46.2 | 48.3 | 49.7 | 50.8 | 51.8 | 53.4 | 54.6 | 53.0 | 45.2 | 38.0 | 31.6 | 16.1 | | | |
| FAN TIP SPEED | 4000 | 11.3 | 28.8 | 35.5 | 38.8 | 39.2 | 41.6 | 43.1 | 44.8 | 44.4 | 43.5 | 35.0 | 26.0 | 16.9 | | | | | |
| FT/SEC | 5000 | 0.5 | 19.2 | 26.9 | 30.6 | 31.8 | 34.3 | 35.5 | 37.4 | 37.3 | 34.7 | 25.8 | 16.3 | 4.9 | | | | | |
| | 6300 | | 0.8 | 11.3 | 16.8 | 19.0 | 21.2 | 23.3 | 25.1 | 24.5 | 22.1 | 11.4 | 0.1 | | | | | | |
| | 8000 | | | | 0.5 | 5.3 | 7.2 | 9.5 | 11.4 | 7.6 | 5.9 | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 65.3 | 78.6 | 73.0 | 74.6 | 76.4 | 77.7 | 78.8 | 80.3 | 80.9 | 81.6 | 79.1 | 78.9 | 76.6 | 73.8 | | | | |
| PNRB | | 68.0 | 76.6 | 79.1 | 81.0 | 82.7 | 84.1 | 85.4 | 87.4 | 88.1 | 88.6 | 83.2 | 79.6 | 74.1 | 68.9 | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | RWL | | |
|--------------------|------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | FREQ | 50 | 80.4 | 76.5 | 80.3 | 81.4 | 83.2 | 83.7 | 85.1 | 86.6 | 88.1 | 90.3 | 89.8 | 95.5 | 98.5 | 96.4 | | | 149.2 | |
| | | 63 | 80.3 | 81.3 | 83.3 | 82.0 | 83.5 | 84.6 | 86.7 | 87.7 | 89.4 | 90.4 | 92.0 | 97.9 | 98.1 | 97.8 | | | 150.3 | |
| NO EGA | | 80 | 81.1 | 83.0 | 83.5 | 82.5 | 84.2 | 84.8 | 86.9 | 88.4 | 89.4 | 90.2 | 92.2 | 96.3 | 96.7 | 98.1 | | | 149.7 | |
| RDG. NO. 0 | | 100 | 82.0 | 82.9 | 83.6 | 84.3 | 85.3 | 85.3 | 86.4 | 87.4 | 89.4 | 90.3 | 93.0 | 95.5 | 96.3 | 95.0 | | | 150.1 | |
| RADIAL 320. FT. | | 125 | 83.1 | 82.1 | 84.0 | 84.2 | 85.0 | 86.7 | 87.9 | 89.1 | 90.1 | 93.3 | 94.0 | 95.2 | 93.1 | 91.2 | | | 149.3 | |
| (98. M) | | 160 | 82.0 | 82.9 | 84.1 | 84.3 | 84.7 | 86.4 | 87.4 | 89.2 | 89.7 | 92.4 | 94.1 | 95.7 | 91.7 | 88.7 | | | 149.0 | |
| VEHICLE JENOTS | | 200 | 81.8 | 83.7 | 84.4 | 84.7 | 85.3 | 87.5 | 88.3 | 89.2 | 90.1 | 92.0 | 93.6 | 93.2 | 89.9 | 87.2 | | | 148.5 | |
| CONFIG JE-057 | | 250 | 83.8 | 83.6 | 83.8 | 85.7 | 86.7 | 87.6 | 88.0 | 89.3 | 90.5 | 92.4 | 92.9 | 92.5 | 89.4 | 86.5 | | | 148.4 | |
| LOC EVEYDALE | | 315 | 82.8 | 85.1 | 85.5 | 85.0 | 86.1 | 87.7 | 88.2 | 90.2 | 92.3 | 93.8 | 91.3 | 91.5 | 87.2 | 86.0 | | | 148.7 | |
| DATE 04-29-75 | | 400 | 82.3 | 85.4 | 85.8 | 86.5 | 87.4 | 88.4 | 89.6 | 90.4 | 92.3 | 95.2 | 91.5 | 90.9 | 87.9 | 85.9 | | | 149.3 | |
| RUN DBTF-MODEL 8 | | 500 | 82.2 | 85.8 | 86.5 | 87.4 | 88.7 | 89.6 | 90.7 | 92.3 | 93.9 | 96.0 | 91.1 | 89.9 | 87.4 | 85.6 | | | 150.2 | |
| TAPE X60050 | | 630 | 83.8 | 87.6 | 88.2 | 88.9 | 90.6 | 91.7 | 92.6 | 94.1 | 95.6 | 97.6 | 91.8 | 90.2 | 87.6 | 86.7 | | | 151.9 | |
| BAR 29.9 HG | | 800 | 86.6 | 92.7 | 93.9 | 94.0 | 94.0 | 94.6 | 94.5 | 95.5 | 97.4 | 98.3 | 93.0 | 91.8 | 90.7 | 89.5 | | | 154.1 | |
| (01039, N/M2) | | 1000 | 84.3 | 88.3 | 89.6 | 90.8 | 92.6 | 93.1 | 94.0 | 96.5 | 97.6 | 99.2 | 92.7 | 90.0 | 86.9 | 86.2 | | | 153.7 | |
| TAMB 59, DEG F | | 1250 | 85.0 | 90.2 | 90.3 | 91.3 | 92.3 | 93.4 | 94.3 | 96.8 | 97.9 | 99.0 | 92.9 | 89.5 | 88.0 | 87.1 | | | 154.0 | |
| (288, DEG K) | | 1600 | 85.3 | 91.8 | 92.2 | 91.7 | 92.8 | 93.5 | 94.6 | 96.4 | 97.6 | 97.7 | 92.6 | 89.6 | 88.5 | 88.2 | | | 154.0 | |
| THWT 53, DEG F | | 2000 | 83.7 | 90.7 | 91.7 | 90.0 | 90.9 | 92.5 | 93.8 | 96.3 | 97.1 | 96.0 | 90.9 | 88.2 | 87.7 | 86.8 | | | 153.2 | |
| (285, DEG K) | | 2500 | 80.4 | 86.4 | 87.6 | 87.7 | 88.2 | 89.7 | 92.0 | 94.3 | 95.7 | 94.4 | 89.6 | 86.3 | 84.4 | 82.4 | | | 151.5 | |
| HACT 8.91 GM/M3 | | 3150 | 78.4 | 85.1 | 85.6 | 85.2 | 85.7 | 87.2 | 89.4 | 91.4 | 92.6 | 91.7 | 86.9 | 83.8 | 82.7 | 80.1 | | | 149.3 | |
| (.00891 KG/M3) | | 4000 | 74.6 | 80.9 | 82.0 | 82.2 | 82.0 | 85.3 | 86.6 | 87.6 | 87.2 | 87.7 | 83.3 | 80.2 | 79.0 | 75.4 | | | 146.2 | |
| FREQ, SHIFT | | 5000 | 71.7 | 77.4 | 78.6 | 79.4 | 79.2 | 80.3 | 82.5 | 84.1 | 84.5 | 83.5 | 79.0 | 75.6 | 74.8 | 72.6 | | | 143.0 | |
| JET 9 | | 6300 | 67.3 | 73.0 | 74.5 | 75.0 | 75.2 | 77.7 | 78.5 | 80.9 | 80.7 | 80.6 | 76.1 | 73.3 | 73.2 | 72.5 | | | 140.8 | |
| DIAMETER RATIO | | 8000 | 65.2 | 69.2 | 70.1 | 70.5 | 70.8 | 75.6 | 74.1 | 78.4 | 78.1 | 80.2 | 75.8 | 73.2 | 73.9 | 74.3 | | | 140.6 | |
| DF/DH 8.00 | | 10000 | 63.5 | 65.8 | 65.6 | 66.4 | 67.1 | 76.0 | 70.0 | 78.7 | 78.1 | 81.1 | 77.2 | 75.2 | 76.0 | 76.4 | | | 143.2 | |
| OVERALL CALCULATED | | | 95.9 | 100.2 | 101.0 | 101.1 | 102.0 | 103.0 | 104.0 | 105.9 | 107.2 | 108.2 | 105.2 | 106.0 | 105.2 | 104.5 | | | 154.2 | |
| PND8 | | | 105.9 | 111.2 | 112.1 | 111.6 | 112.4 | 113.9 | 115.2 | 117.3 | 118.4 | 118.5 | 114.6 | 112.8 | 111.5 | 110.3 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, NUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) |
| NO EGA | 50 | 56.6 | 56.9 | 60.3 | 62.5 | 64.9 | 65.9 | 67.4 | 68.8 | 69.8 | 71.4 | 69.7 | 73.9 | 74.6 | 69.1 | | | |
| SIDELINE 2400, FT | 63 | 56.4 | 59.7 | 63.2 | 63.0 | 65.2 | 66.8 | 69.0 | 69.9 | 71.2 | 71.5 | 71.9 | 76.2 | 74.1 | 70.4 | | | |
| (731.52 M) | 80 | 57.0 | 61.2 | 63.3 | 63.4 | 65.9 | 66.9 | 69.1 | 70.5 | 71.1 | 71.2 | 72.1 | 74.6 | 72.6 | 70.5 | | | |
| NFA 0, RPM | 100 | 57.8 | 61.1 | 63.4 | 65.2 | 66.9 | 67.3 | 68.6 | 71.4 | 71.9 | 73.9 | 75.2 | 74.4 | 70.8 | 67.4 | | | |
| (0, RAD/SEC) | 125 | 58.7 | 60.2 | 63.7 | 65.0 | 66.6 | 68.7 | 70.0 | 71.1 | 71.7 | 74.2 | 73.6 | 73.2 | 68.8 | 63.2 | | | |
| NFK 0, RPM | 160 | 57.4 | 60.8 | 63.6 | 65.0 | 66.2 | 68.3 | 69.4 | 71.1 | 71.1 | 73.1 | 73.6 | 73.6 | 67.1 | 60.3 | | | |
| (0, RAD/SEC) | 200 | 57.0 | 61.4 | 63.8 | 65.3 | 66.6 | 69.3 | 70.2 | 71.0 | 71.4 | 72.5 | 73.0 | 70.9 | 65.1 | 58.5 | | | |
| NFD 0, RPM | 250 | 58.7 | 61.3 | 63.0 | 66.0 | 67.9 | 69.2 | 69.8 | 70.9 | 71.6 | 72.8 | 72.1 | 69.9 | 64.2 | 57.3 | | | |
| (0, RAD/SEC) | 315 | 57.3 | 62.2 | 64.4 | 65.1 | 67.1 | 69.1 | 69.8 | 71.6 | 73.2 | 74.0 | 70.2 | 68.6 | 61.6 | 56.1 | | | |
| AIRFLOW RATIO | 400 | 56.2 | 62.1 | 64.4 | 66.3 | 68.0 | 69.5 | 70.9 | 71.6 | 73.0 | 75.0 | 70.0 | 67.6 | 61.7 | 55.2 | | | |
| WF/WM 8.00 | 500 | 55.5 | 61.9 | 64.7 | 66.9 | 69.0 | 70.5 | 71.7 | 73.1 | 74.2 | 75.4 | 69.3 | 66.1 | 60.6 | 53.9 | | | |
| | 630 | 56.2 | 63.4 | 65.8 | 67.9 | 70.5 | 72.1 | 73.2 | 74.5 | 76.6 | 76.6 | 69.4 | 65.7 | 59.9 | 53.7 | | | |
| | 800 | 57.9 | 67.4 | 70.8 | 72.4 | 73.4 | 74.5 | 74.6 | 75.4 | 78.8 | 76.7 | 69.9 | 66.5 | 62.0 | 54.8 | | | |
| VEHICLE JENOTS | 1000 | 54.2 | 62.0 | 65.6 | 68.5 | 71.2 | 72.4 | 73.5 | 75.7 | 78.2 | 76.9 | 68.8 | 63.7 | 55.8 | 49.5 | | | |
| CONFIG JE-057 | 1250 | 53.2 | 62.6 | 65.5 | 68.0 | 70.1 | 71.9 | 72.9 | 75.3 | 75.8 | 75.7 | 67.9 | 61.9 | 56.2 | 47.9 | | | |
| LOC EVENDALE | 1600 | 51.1 | 62.4 | 65.7 | 67.1 | 69.4 | 70.9 | 72.1 | 73.8 | 74.3 | 73.1 | 66.1 | 60.1 | 54.3 | 45.4 | | | |
| DATE 04-29-75 | 2000 | 46.5 | 59.0 | 63.4 | 63.8 | 66.1 | 68.4 | 70.0 | 72.3 | 72.3 | 69.8 | 62.6 | 56.5 | 50.6 | 39.7 | | | |
| RUN DBTF-MODEL 8 | 2500 | 39.1 | 51.5 | 56.6 | 59.2 | 61.3 | 63.6 | 66.3 | 68.3 | 68.8 | 65.9 | 58.6 | 51.4 | 43.1 | 29.0 | | | |
| TAPR X60058 | 3150 | 30.4 | 45.1 | 50.4 | 53.1 | 55.4 | 58.0 | 60.5 | 62.2 | 62.4 | 59.5 | 51.7 | 43.8 | 34.6 | 16.6 | | | |
| FAN TIP SPEED | 4000 | 16.5 | 33.2 | 40.4 | 44.5 | 46.7 | 51.3 | 53.0 | 53.6 | 51.9 | 50.0 | 41.8 | 32.5 | 20.8 | | | | |
| FT/SEC | 5000 | 7.7 | 25.2 | 33.4 | 38.5 | 41.0 | 43.5 | 46.2 | 47.4 | 46.3 | 42.6 | 33.8 | 23.5 | 10.8 | | | | |
| | 6300 | | 7.7 | 18.4 | 24.7 | 28.4 | 32.8 | 34.2 | 36.0 | 33.9 | 30.3 | 20.1 | 8.0 | | | | | |
| | 8000 | | | | 5.8 | 10.9 | 18.2 | 17.5 | 21.0 | 18.1 | 15.5 | 3.2 | | | | | | |
| OVERALL CALCULATED | 10000 | 68.8 | 72.4 | 77.4 | 79.1 | 81.0 | 82.5 | 83.6 | 85.1 | 85.9 | 86.6 | 83.5 | 83.4 | 80.5 | 76.2 | | | |
| PND8 | | 72.4 | 82.1 | 84.5 | 86.3 | 88.5 | 90.2 | 91.5 | 93.4 | 93.8 | 93.3 | 87.9 | 84.7 | 78.9 | 72.6 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|-----|-------|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| REV. ALPHA 12/73 | FREQ | 50 | 79.7 | 66.2 | 68.3 | 69.9 | 72.2 | 71.5 | 72.8 | 85.1 | 88.6 | 88.8 | 87.5 | 93.0 | 95.7 | 95.1 | | | 146.7 | |
| | NO EGA | 63 | 75.3 | 66.1 | 67.6 | 67.0 | 67.5 | 68.6 | 70.7 | 82.0 | 83.4 | 84.7 | 86.5 | 93.4 | 94.3 | 94.6 | | | 145.5 | |
| RDG. NO. 0 | 80 | 76.6 | 68.2 | 68.7 | 67.7 | 69.0 | 68.5 | 70.9 | 82.1 | 83.9 | 84.7 | 87.5 | 92.1 | 93.4 | 96.6 | | | | 145.6 | |
| RADIAL 320. FT. | 100 | 77.0 | 67.9 | 68.6 | 69.0 | 69.0 | 69.3 | 70.4 | 83.1 | 83.8 | 87.0 | 89.5 | 92.0 | 91.7 | 93.2 | | | | 144.9 | |
| (98, M) | 125 | 78.3 | 67.4 | 68.3 | 68.2 | 69.3 | 70.9 | 72.2 | 83.1 | 84.1 | 86.8 | 87.7 | 90.7 | 90.1 | 88.7 | | | | 143.4 | |
| VEHICLE JENDTS | 160 | 76.7 | 67.7 | 68.4 | 69.8 | 69.7 | 69.9 | 71.4 | 83.2 | 83.7 | 86.1 | 87.8 | 91.5 | 88.2 | 85.7 | | | | 143.1 | |
| CONFIG JE-057 | 200 | 76.5 | 68.2 | 68.7 | 69.5 | 69.6 | 70.7 | 72.0 | 82.7 | 83.3 | 85.3 | 86.8 | 88.5 | 85.4 | 83.0 | | | | 141.4 | |
| LOC EVENDALE | 250 | 77.8 | 67.1 | 67.0 | 69.9 | 70.0 | 70.6 | 71.0 | 81.8 | 82.7 | 84.1 | 86.2 | 87.5 | 83.3 | 81.5 | | | | 140.5 | |
| DATE 04-29-75 | 315 | 77.3 | 67.0 | 68.0 | 68.2 | 68.4 | 69.7 | 71.0 | 82.4 | 83.0 | 85.1 | 85.0 | 85.4 | 80.4 | 79.0 | | | | 139.9 | |
| RUN DBTF-MODEL 6 | 400 | 75.8 | 68.2 | 68.5 | 70.0 | 69.6 | 70.6 | 71.8 | 83.1 | 83.1 | 85.4 | 84.7 | 84.1 | 79.8 | 78.6 | | | | 139.8 | |
| TAPE X60066 | 500 | 74.7 | 68.0 | 68.8 | 69.8 | 70.9 | 71.9 | 72.9 | 84.5 | 84.1 | 85.9 | 84.6 | 82.6 | 78.3 | 77.3 | | | | 140.2 | |
| BAR 29.9 HG | 630 | 74.3 | 68.3 | 68.6 | 68.9 | 70.3 | 71.1 | 72.6 | 84.3 | 84.6 | 87.0 | 86.0 | 83.4 | 78.3 | 76.9 | | | | 140.9 | |
| (01039, N/M2) | 800 | 73.6 | 68.2 | 68.1 | 69.4 | 69.7 | 71.0 | 71.5 | 83.2 | 83.6 | 84.5 | 84.2 | 81.8 | 77.4 | 76.2 | | | | 139.4 | |
| TAMB 59, DEG F | 1000 | 72.4 | 67.0 | 67.7 | 68.5 | 68.5 | 69.3 | 69.7 | 81.9 | 83.7 | 84.9 | 81.6 | 79.4 | 76.6 | 75.8 | | | | 138.7 | |
| (288, DEG K) | 1250 | 71.4 | 68.3 | 69.1 | 68.9 | 69.1 | 69.3 | 68.9 | 81.2 | 82.5 | 86.1 | 82.5 | 79.1 | 76.3 | 76.2 | | | | 139.0 | |
| THET 53, DEG F | 1600 | 70.6 | 68.2 | 68.5 | 68.7 | 67.9 | 67.4 | 67.9 | 80.5 | 81.5 | 83.6 | 81.5 | 77.2 | 75.6 | 76.0 | | | | 137.6 | |
| (285, DEG K) | 2000 | 68.7 | 65.5 | 65.8 | 64.6 | 65.5 | 64.8 | 65.9 | 78.4 | 80.2 | 81.6 | 80.2 | 75.5 | 74.3 | 73.4 | | | | 136.1 | |
| HACT 8.91 GH/M3 | 2500 | 63.9 | 61.2 | 61.7 | 61.0 | 61.0 | 60.4 | 62.5 | 75.1 | 78.9 | 78.7 | 76.1 | 71.3 | 69.9 | 69.4 | | | | 133.0 | |
| (.00891 KG/M3) | 3150 | 61.2 | 57.6 | 58.4 | 58.0 | 57.5 | 58.0 | 59.4 | 72.2 | 73.7 | 75.2 | 72.7 | 68.1 | 67.7 | 69.4 | | | | 130.3 | |
| FREQ. SHIFT | 4000 | 50.9 | 53.7 | 54.3 | 54.0 | 52.8 | 54.6 | 55.9 | 68.6 | 70.0 | 71.7 | 69.3 | 65.5 | 64.3 | 67.7 | | | | 127.6 | |
| JET 9 | 5000 | 55.5 | 50.9 | 51.4 | 51.5 | 50.0 | 50.6 | 52.3 | 65.2 | 66.6 | 66.1 | 65.8 | 62.7 | 61.9 | 68.9 | | | | 125.0 | |
| DIAMETER RATIO | 6300 | 53.1 | 47.1 | 47.8 | 48.1 | 47.3 | 51.3 | 48.8 | 64.0 | 64.3 | 67.2 | 64.7 | 64.2 | 62.8 | 71.9 | | | | 125.9 | |
| DF/DM 8.00 | 8000 | 52.7 | 46.1 | 45.5 | 47.0 | 47.0 | 56.8 | 46.5 | 65.6 | 64.0 | 68.7 | 65.7 | 65.9 | 65.1 | 74.4 | | | | 129.5 | |
| | 10000 | 53.9 | 45.3 | 45.1 | 46.6 | 48.6 | 46.2 | 47.2 | 67.7 | 65.9 | 70.9 | 67.7 | 67.9 | 66.7 | 75.9 | | | | 133.8 | |
| OVERALL CALCULATED | | 88.3 | 88.0 | 88.6 | 81.3 | 81.8 | 82.4 | 83.5 | 95.2 | 98.0 | 98.1 | 98.3 | 101.0 | 101.1 | 101.7 | | | | 154.8 | |
| PND8 | | 93.9 | 88.4 | 88.8 | 89.2 | 89.1 | 89.5 | 90.2 | 102.9 | 104.0 | 105.9 | 104.9 | 104.1 | 102.3 | 103.6 | | | | | |

☆ ☆ ☆ ☆ ☆ ☆

☆ 10 dB TOO LOW

ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 55.8 | 43.6 | 48.3 | 51.0 | 53.9 | 53.7 | 55.2 | 47.3 | 68.3 | 69.9 | 67.5 | 71.4 | 71.9 | 67.8 | | | |
| SIDELINE 2400. FT | 63 | 51.4 | 44.4 | 47.5 | 48.0 | 49.2 | 50.8 | 53.0 | 64.1 | 65.2 | 65.7 | 66.4 | 71.7 | 70.4 | 67.1 | | | |
| (731.52 M) | 80 | 52.5 | 46.5 | 46.6 | 48.7 | 50.7 | 50.6 | 53.1 | 64.2 | 68.6 | 65.7 | 67.3 | 70.3 | 69.4 | 69.0 | | | |
| NFA 0: RPM | 100 | 52.8 | 46.1 | 48.4 | 49.0 | 50.6 | 51.3 | 52.6 | 65.2 | 65.4 | 67.9 | 69.2 | 70.2 | 67.5 | 65.4 | | | |
| (0: RAD/SEC) | 125 | 54.0 | 45.4 | 47.9 | 49.0 | 50.8 | 52.9 | 54.3 | 65.1 | 65.7 | 67.7 | 67.4 | 68.7 | 65.8 | 60.7 | | | |
| NFK 0: RPM | 160 | 52.2 | 45.6 | 47.9 | 50.5 | 51.2 | 51.8 | 53.4 | 65.1 | 65.1 | 66.8 | 67.4 | 69.4 | 63.6 | 57.3 | | | |
| (0: RAD/SEC) | 200 | 51.7 | 45.9 | 48.0 | 50.0 | 50.9 | 52.5 | 53.9 | 64.5 | 64.7 | 65.8 | 66.2 | 66.1 | 60.6 | 54.2 | | | |
| NFD 0: RPM | 250 | 52.7 | 44.5 | 46.2 | 50.3 | 51.1 | 52.2 | 52.8 | 63.4 | 63.9 | 64.5 | 65.3 | 64.9 | 58.2 | 52.3 | | | |
| (0: RAD/SEC) | 315 | 51.7 | 48.9 | 46.9 | 48.3 | 49.3 | 51.1 | 52.5 | 63.8 | 64.0 | 65.2 | 63.9 | 62.6 | 54.9 | 49.1 | | | |
| AIRFLOW RATIO | 400 | 49.7 | 44.9 | 47.1 | 49.8 | 50.3 | 51.7 | 53.1 | 64.3 | 63.7 | 65.2 | 63.2 | 60.8 | 53.7 | 48.0 | | | |
| WF/WM 8.00 | 500 | 47.9 | 44.2 | 46.9 | 49.3 | 51.3 | 52.7 | 53.9 | 65.3 | 64.4 | 65.4 | 62.7 | 58.8 | 51.6 | 45.6 | | | |
| | 630 | 46.6 | 43.8 | 46.3 | 47.9 | 50.2 | 51.5 | 53.2 | 64.7 | 64.5 | 66.0 | 63.6 | 58.9 | 50.7 | 43.9 | | | |
| | 800 | 44.8 | 42.8 | 45.0 | 47.8 | 49.1 | 50.9 | 51.5 | 63.1 | 63.0 | 62.9 | 61.1 | 56.4 | 48.7 | 41.5 | | | |
| VEHICLE JENOTS. | 1000 | 42.3 | 40.6 | 43.8 | 46.1 | 47.1 | 48.5 | 49.1 | 61.1 | 62.4 | 62.5 | 57.7 | 53.1 | 46.5 | 39.2 | | | |
| CONFIG JE-057 | 1250 | 39.6 | 40.7 | 44.1 | 45.6 | 46.9 | 47.7 | 47.6 | 59.7 | 60.4 | 62.8 | 57.5 | 51.5 | 44.5 | 37.0 | | | |
| LOC EVENDALE | 1600 | 36.4 | 38.7 | 42.0 | 44.1 | 44.5 | 44.7 | 45.4 | 57.8 | 58.1 | 59.0 | 54.9 | 47.7 | 41.4 | 33.2 | | | |
| DATE 04-29-75 | 2000 | 31.6 | 33.8 | 37.4 | 38.4 | 40.7 | 40.7 | 42.1 | 54.3 | 55.3 | 55.4 | 51.9 | 43.8 | 37.1 | 26.2 | | | |
| RUN DBTF-MODEL 8 | 2500 | 22.6 | 26.3 | 30.7 | 32.5 | 34.1 | 34.4 | 36.8 | 49.0 | 50.0 | 50.2 | 45.1 | 36.4 | 28.6 | 16.0 | | | |
| TAPE X60066 | 3150 | 13.1 | 17.6 | 23.2 | 25.8 | 27.2 | 28.8 | 30.5 | 42.9 | 43.4 | 43.0 | 37.5 | 28.0 | 19.6 | 5.9 | | | |
| FAN TIP SPEED | 4000 | | 6.0 | 12.7 | 16.3 | 17.5 | 20.6 | 22.3 | 34.6 | 34.7 | 34.0 | 27.8 | 17.7 | 6.1 | | | | |
| FT/SEC | 5000 | | | 6.2 | 10.6 | 11.8 | 13.8 | 16.0 | 28.4 | 28.3 | 27.2 | 20.6 | 10.5 | | | | | |
| | 6300 | | | | | 0.5 | 6.4 | 4.6 | 19.1 | 17.5 | 16.9 | 8.7 | | | | | | |
| | 8000 | | | | | | | | 8.2 | 4.1 | 3.9 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 83.1 | 56.5 | 59.0 | 60.6 | 62.4 | 63.4 | 64.8 | 76.2 | 78.6 | 77.9 | 77.3 | 79.0 | 76.9 | 74.0 | | | |
| PNDB | | 83.3 | 50.9 | 62.1 | 64.3 | 65.7 | 67.0 | 68.3 | 80.4 | 80.4 | 81.5 | 79.4 | 78.0 | 72.2 | 67.7 | | | |

★ 10 dB TOO LOW

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | PWL |
|--------------------|------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|--|--|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 6. | 0. | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| REV, ALPHA 12/73 | FREQ | 50 | 80.4 | 67.0 | 69.8 | 70.4 | 71.9 | 72.5 | 74.1 | 85.8 | 88.1 | 90.1 | 89.3 | 95.5 | 98.2 | 97.9 | | | | | 148.9 |
| | | 63 | 78.1 | 69.6 | 70.8 | 70.0 | 71.0 | 71.9 | 74.2 | 86.0 | 87.2 | 88.7 | 90.7 | 96.9 | 97.3 | 96.6 | | | | | 148.7 |
| NO EGA | | 80 | 78.6 | 70.5 | 71.0 | 70.0 | 71.2 | 71.5 | 74.1 | 86.1 | 87.7 | 88.2 | 90.7 | 94.8 | 95.9 | 98.1 | | | | | 148.1 |
| RDG, NO, 0. | | 100 | 79.7 | 70.4 | 70.9 | 71.5 | 72.5 | 72.8 | 74.4 | 86.9 | 87.8 | 91.3 | 93.0 | 95.0 | 93.7 | 95.0 | | | | | 147.9 |
| RADIAL 320, FT. | | 125 | 80.3 | 69.6 | 70.8 | 71.9 | 72.5 | 73.7 | 75.4 | 86.1 | 87.1 | 90.1 | 91.2 | 93.7 | 91.6 | 89.7 | | | | | 146.2 |
| (98, M) | | 160 | 80.2 | 70.2 | 71.1 | 72.5 | 72.5 | 73.4 | 75.2 | 86.4 | 86.4 | 89.6 | 91.3 | 94.2 | 89.9 | 86.9 | | | | | 146.0 |
| VEHICLE JENOTS | | 200 | 79.5 | 71.2 | 71.9 | 72.7 | 72.8 | 74.5 | 75.3 | 86.7 | 87.1 | 88.5 | 90.1 | 91.0 | 87.6 | 84.7 | | | | | 144.5 |
| CONFIG JE-057 | | 250 | 81.1 | 71.3 | 71.3 | 73.7 | 74.2 | 74.9 | 75.0 | 85.6 | 87.0 | 88.6 | 89.4 | 89.5 | 85.8 | 84.0 | | | | | 144.0 |
| LOC EVENDALE | | 315 | 80.6 | 72.3 | 72.5 | 72.7 | 73.4 | 74.4 | 75.7 | 87.2 | 88.0 | 89.6 | 88.5 | 88.7 | 83.9 | 82.2 | | | | | 144.0 |
| DATE 04-29-75 | | 400 | 80.1 | 72.4 | 73.0 | 74.2 | 74.9 | 75.6 | 76.3 | 88.4 | 88.8 | 91.4 | 88.4 | 87.6 | 83.6 | 82.6 | | | | | 144.8 |
| RUN DBTF-MODEL 8 | | 500 | 79.7 | 74.0 | 74.3 | 75.3 | 76.2 | 77.9 | 78.2 | 89.7 | 90.3 | 91.9 | 88.3 | 86.3 | 83.1 | 82.0 | | | | | 145.5 |
| TAPE X60086 | | 630 | 80.8 | 75.5 | 75.9 | 76.9 | 77.8 | 79.1 | 80.3 | 91.3 | 92.8 | 95.3 | 89.7 | 87.9 | 84.8 | 83.6 | | | | | 148.0 |
| BAR 29.6 HG | | 800 | 83.6 | 79.4 | 80.3 | 80.7 | 80.5 | 81.3 | 80.7 | 91.7 | 93.1 | 96.3 | 90.7 | 88.8 | 86.9 | 86.2 | | | | | 148.9 |
| (01039, N/M2) | | 1000 | 79.9 | 74.2 | 74.7 | 76.7 | 78.5 | 79.0 | 79.7 | 92.1 | 93.5 | 95.1 | 90.1 | 86.7 | 83.1 | 82.8 | | | | | 148.3 |
| TAMR 59, DEG F | | 1250 | 80.1 | 74.1 | 75.4 | 77.2 | 77.6 | 78.3 | 78.6 | 91.7 | 94.8 | 95.1 | 89.5 | 85.4 | 83.6 | 82.9 | | | | | 148.6 |
| (288, DEG K) | | 1600 | 80.9 | 75.9 | 76.3 | 77.0 | 78.1 | 78.6 | 79.4 | 92.8 | 94.5 | 94.6 | 88.7 | 85.7 | 84.1 | 85.0 | | | | | 148.7 |
| TWET 53, DEG F | | 2000 | 80.5 | 76.0 | 76.8 | 76.3 | 77.0 | 77.9 | 79.1 | 91.6 | 94.2 | 94.3 | 88.2 | 85.3 | 85.3 | 86.1 | | | | | 148.5 |
| (285, DEG K) | | 2500 | 81.9 | 78.2 | 79.2 | 78.0 | 76.2 | 75.4 | 76.5 | 89.3 | 91.7 | 91.9 | 86.6 | 85.1 | 87.1 | 86.9 | | | | | 146.9 |
| HACT 8.91 GM/M3 | | 3150 | 76.4 | 73.9 | 75.1 | 74.2 | 72.5 | 72.0 | 72.6 | 85.9 | 87.9 | 88.5 | 82.9 | 80.3 | 81.7 | 81.6 | | | | | 143.6 |
| (.00891 KG/M3) | | 4000 | 70.4 | 67.5 | 67.5 | 68.0 | 66.5 | 68.1 | 69.2 | 81.3 | 83.2 | 84.0 | 77.8 | 74.7 | 75.3 | 74.4 | | | | | 139.5 |
| FREQ, SHIFT | | 5000 | 68.0 | 64.2 | 65.4 | 65.0 | 63.5 | 63.6 | 65.0 | 77.7 | 79.1 | 78.9 | 73.6 | 70.5 | 71.4 | 72.7 | | | | | 135.7 |
| JET 9 | | 6300 | 63.6 | 60.6 | 61.1 | 61.4 | 59.8 | 60.8 | 61.8 | 74.8 | 74.8 | 75.4 | 70.2 | 68.7 | 67.8 | 72.4 | | | | | 133.6 |
| DIAHETER RATIO | | 8000 | 60.6 | 57.1 | 57.2 | 58.0 | 57.8 | 57.9 | 59.2 | 72.3 | 72.5 | 73.4 | 68.2 | 68.2 | 66.6 | 74.4 | | | | | 133.5 |
| DF/DM 8.00 | | 10000 | 57.9 | 55.3 | 54.1 | 55.3 | 56.8 | 60.7 | 58.5 | 70.2 | 68.4 | 72.9 | 67.9 | 69.4 | 67.2 | 76.1 | | | | | 135.4 |
| OVERALL CALCULATED | | | 93.2 | 87.0 | 87.7 | 88.2 | 88.6 | 89.3 | 90.1 | 102.1 | 103.8 | 105.2 | 102.6 | 104.3 | 104.0 | 104.0 | | | | | 150.1 |
| PND8 | | | 164.1 | 99.1 | 99.9 | 99.7 | 99.1 | 99.3 | 100.5 | 112.9 | 114.7 | 125.6 | 111.3 | 110.4 | 110.2 | 110.2 | | | | | |

887

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☆ 10 dB Too Low

ORIGINAL PAGE IF
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. | ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | | 50 | 56.6 | 45.4 | 49.8 | 51.5 | 53.7 | 54.7 | 56.4 | 68.0 | 69.8 | 71.1 | 69.2 | 73.9 | 74.4 | 70.6 | | | |
| | NO EGA | 63 | 54.1 | 47.9 | 50.7 | 51.0 | 52.7 | 54.0 | 56.5 | 68.1 | 68.9 | 69.7 | 70.6 | 75.2 | 73.4 | 69.1 | | | |
| | SIDELINE 2400, FT. | 80 | 54.5 | 48.7 | 50.8 | 50.9 | 52.9 | 53.6 | 56.4 | 68.2 | 69.4 | 69.2 | 70.6 | 73.1 | 71.9 | 70.5 | | | |
| | (731.52 M) | 100 | 55.5 | 48.6 | 50.7 | 52.4 | 54.1 | 54.6 | 56.6 | 68.9 | 69.4 | 72.2 | 72.7 | 73.2 | 69.5 | 67.2 | | | |
| | NFA 0: RPM | 125 | 56.0 | 47.7 | 50.4 | 52.7 | 54.1 | 55.7 | 57.5 | 68.1 | 68.7 | 70.9 | 70.9 | 71.7 | 67.3 | 61.7 | | | |
| | (0: RAD/SEC) | 160 | 55.7 | 48.1 | 50.6 | 53.2 | 53.9 | 55.3 | 57.2 | 68.3 | 67.9 | 70.3 | 70.9 | 72.1 | 65.4 | 58.6 | | | |
| | NFK 0: RPM | 200 | 54.7 | 48.9 | 51.3 | 53.3 | 54.1 | 56.3 | 57.2 | 68.5 | 68.4 | 69.0 | 69.5 | 68.6 | 62.8 | 56.0 | | | |
| | (0: RAD/SEC) | 250 | 56.0 | 48.8 | 50.4 | 54.0 | 55.4 | 56.5 | 56.8 | 68.2 | 68.1 | 69.0 | 68.6 | 66.9 | 60.7 | 54.8 | | | |
| | NFD 0: RPM | 315 | 55.0 | 49.4 | 51.4 | 52.8 | 54.3 | 55.8 | 57.3 | 68.6 | 69.0 | 69.7 | 67.4 | 65.8 | 58.4 | 52.4 | | | |
| | (0: RAD/SEC) | 400 | 54.0 | 49.1 | 51.6 | 54.1 | 55.5 | 56.7 | 57.6 | 69.5 | 69.5 | 71.2 | 67.0 | 64.3 | 57.5 | 52.0 | | | |
| | AIRFLOW RATIO | 500 | 52.9 | 50.2 | 52.4 | 54.8 | 56.5 | 58.7 | 59.1 | 70.6 | 70.7 | 71.4 | 66.5 | 62.5 | 56.3 | 50.4 | | | |
| | WF/WM 8.00 | 630 | 53.1 | 51.1 | 53.5 | 55.9 | 57.7 | 59.5 | 60.9 | 71.7 | 72.8 | 74.3 | 67.3 | 63.4 | 57.2 | 50.7 | | | |
| | | 800 | 54.8 | 54.1 | 57.2 | 59.1 | 59.8 | 61.2 | 60.8 | 71.6 | 72.5 | 74.6 | 67.6 | 63.4 | 58.2 | 51.5 | | | |
| | VEHICLE JENOTS | 1000 | 49.8 | 47.9 | 50.8 | 54.4 | 57.1 | 58.3 | 59.1 | 71.4 | 72.1 | 72.8 | 66.2 | 60.3 | 53.0 | 46.2 | | | |
| | CONFIG JE-057 | 1250 | 48.3 | 48.4 | 50.3 | 53.9 | 55.4 | 56.7 | 57.3 | 70.2 | 72.6 | 71.8 | 64.5 | 57.7 | 51.8 | 43.7 | | | |
| | LOC EVENDALE | 1600 | 46.6 | 46.4 | 49.7 | 52.4 | 54.7 | 55.9 | 56.9 | 70.1 | 71.1 | 70.0 | 62.2 | 56.2 | 49.9 | 42.2 | | | |
| | DATE 04-29-75 | 2000 | 43.3 | 44.3 | 48.4 | 50.1 | 52.2 | 53.5 | 55.3 | 67.6 | 69.3 | 68.1 | 59.9 | 53.6 | 48.1 | 39.0 | | | |
| | RUN DBTF-MODEL 6 | 2500 | 40.6 | 43.3 | 48.2 | 49.5 | 49.3 | 49.4 | 50.8 | 63.3 | 64.8 | 63.4 | 55.6 | 50.2 | 45.8 | 33.5 | | | |
| | TAPE X60088 | 3150 | 28.4 | 33.9 | 39.9 | 42.1 | 42.2 | 42.8 | 43.8 | 56.7 | 57.6 | 56.3 | 47.7 | 40.3 | 33.6 | 18.1 | | | |
| | FAN TIP SPEED | 4000 | 12.3 | 19.8 | 26.0 | 30.3 | 31.2 | 34.1 | 35.6 | 47.3 | 47.9 | 46.3 | 36.3 | 27.0 | 17.1 | | | | |
| | FT/SEC | 5000 | 4.0 | 12.0 | 20.2 | 24.1 | 25.3 | 26.8 | 28.7 | 40.9 | 40.8 | 38.0 | 28.3 | 18.3 | 7.4 | | | | |
| | | 6300 | | | 5.0 | 11.1 | 13.0 | 15.9 | 17.6 | 29.9 | 28.0 | 25.1 | 14.2 | 3.4 | | | | | |
| | | 8000 | | | | | | 0.2 | 2.7 | 14.9 | 11.6 | 8.7 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| | OVERALL CALCULATED | | 86.4 | 61.4 | 64.2 | 66.3 | 67.8 | 69.2 | 70.2 | 81.9 | 82.7 | 83.6 | 81.0 | 82.0 | 79.5 | 76.0 | | | |
| | PND8 | | 89.4 | 67.2 | 70.9 | 72.9 | 74.4 | 75.7 | 76.9 | 89.4 | 90.4 | 90.2 | 84.6 | 82.4 | 76.6 | 71.3 | | | |

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☆ 10 dB Too Low

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE - MONTH 5 DAY 5 HR, 15.0
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159, DEG, F, 70 PERCENT REL, HUM, DAY * JENOTS;

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | RHL | | |
|--------------------|----------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| RFV, ALPHA 12/73 | FREQ | 50 | 82.7 | 80.7 | 84.6 | 83.2 | 85.7 | 85.5 | 86.8 | 88.6 | 90.6 | 93.8 | 93.0 | 99.3 | 102.7 | 100.6 | | | 152.9 | |
| | NO EGA | 63 | 82.1 | 83.6 | 85.3 | 84.0 | 85.5 | 86.1 | 88.2 | 89.7 | 91.2 | 92.7 | 94.7 | 100.1 | 101.1 | 99.6 | | | 152.6 | |
| RDG, NO. | 0. | 80 | 82.8 | 84.7 | 85.2 | 84.2 | 85.7 | 86.0 | 88.6 | 89.9 | 91.9 | 92.7 | 95.7 | 99.3 | 100.2 | 100.1 | | | 152.5 | |
| RADIAL 320, FT. | | 100 | 83.7 | 84.7 | 85.1 | 85.8 | 87.3 | 86.8 | 88.7 | 91.4 | 92.0 | 95.3 | 97.7 | 98.3 | 97.7 | 97.2 | | | 152.2 | |
| | (98. M) | 125 | 84.6 | 83.6 | 85.3 | 85.7 | 87.0 | 87.7 | 89.4 | 90.1 | 91.9 | 95.3 | 96.7 | 97.9 | 95.4 | 92.9 | | | 151.4 | |
| VEHICLE | JENOTS | 160 | 84.5 | 84.7 | 85.4 | 85.5 | 87.0 | 87.9 | 89.7 | 91.2 | 91.9 | 94.6 | 96.6 | 98.0 | 93.4 | 90.7 | | | 151.2 | |
| CONFIG | JE-057 | 200 | 83.0 | 85.5 | 86.2 | 86.2 | 86.8 | 88.2 | 90.0 | 91.2 | 91.8 | 94.5 | 95.3 | 95.0 | 92.1 | 88.7 | | | 150.3 | |
| LOC | EVENDALE | 250 | 85.1 | 84.8 | 85.0 | 87.2 | 88.2 | 88.9 | 89.5 | 91.3 | 91.7 | 94.1 | 94.7 | 94.5 | 90.8 | 89.0 | | | 150.1 | |
| DATE | 04-29-75 | 315 | 84.3 | 86.1 | 86.5 | 86.2 | 87.4 | 88.9 | 90.0 | 91.4 | 93.5 | 94.6 | 93.5 | 93.7 | 89.7 | 87.7 | | | 150.1 | |
| RUN | DBTF-MODEL 8 | 400 | 83.6 | 86.4 | 86.8 | 88.0 | 88.9 | 89.9 | 90.5 | 92.4 | 94.3 | 95.9 | 92.7 | 92.6 | 88.8 | 87.1 | | | 150.7 | |
| TAPE | X60100 | 500 | 83.5 | 86.5 | 87.3 | 88.1 | 89.9 | 91.1 | 91.7 | 93.7 | 95.8 | 96.9 | 92.6 | 91.3 | 89.1 | 86.8 | | | 151.5 | |
| BAR | 29.9 HG | 630 | 84.3 | 87.5 | 88.6 | 90.1 | 91.3 | 92.6 | 93.8 | 95.3 | 98.1 | 98.0 | 92.7 | 91.4 | 89.0 | 87.4 | | | 153.1 | |
| | (01039, N/M2) | 800 | 85.8 | 90.4 | 91.8 | 92.7 | 94.5 | 94.8 | 94.7 | 96.2 | 98.9 | 98.8 | 93.0 | 91.5 | 89.7 | 87.9 | | | 154.3 | |
| TAMB | 59, DEG F | 1000 | 85.4 | 89.2 | 89.7 | 91.7 | 93.7 | 94.5 | 95.2 | 97.4 | 99.2 | 98.9 | 93.4 | 90.9 | 88.1 | 87.1 | | | 154.5 | |
| | (298, DEG K) | 1250 | 86.1 | 90.9 | 91.4 | 92.2 | 93.6 | 94.0 | 95.1 | 98.4 | 100.3 | 98.8 | 93.3 | 90.9 | 89.3 | 88.7 | | | 155.1 | |
| TWET | 53, DEG F | 1600 | 85.9 | 91.4 | 91.8 | 91.5 | 93.1 | 93.9 | 95.4 | 98.0 | 99.5 | 98.1 | 92.5 | 90.2 | 88.4 | 86.5 | | | 154.8 | |
| | (285, DEG K) | 2000 | 83.0 | 88.5 | 89.5 | 90.1 | 92.0 | 93.3 | 95.1 | 97.1 | 98.7 | 96.8 | 91.0 | 88.0 | 86.5 | 83.9 | | | 154.0 | |
| HACT | 8.91 GM/M3 | 2500 | 80.9 | 86.0 | 86.4 | 87.7 | 89.2 | 91.2 | 93.5 | 96.1 | 98.9 | 94.9 | 90.1 | 86.3 | 84.4 | 81.9 | | | 152.6 | |
| | (.00891 KG/M3) | 3150 | 80.2 | 85.6 | 86.4 | 87.0 | 87.5 | 89.5 | 91.1 | 93.4 | 94.7 | 93.0 | 88.2 | 85.3 | 82.9 | 79.9 | | | 151.0 | |
| FREQ, SHIFT | | 4000 | 75.7 | 81.0 | 82.3 | 84.2 | 84.0 | 86.3 | 88.4 | 89.8 | 90.5 | 89.0 | 85.3 | 82.2 | 80.0 | 76.2 | | | 148.1 | |
| | JET 9 | 5000 | 73.7 | 78.4 | 79.7 | 81.5 | 81.5 | 83.1 | 85.0 | 86.2 | 87.1 | 85.1 | 80.1 | 77.7 | 76.4 | 74.2 | | | 145.1 | |
| DIAHETER RATIO | | 6300 | 70.4 | 74.6 | 76.3 | 77.4 | 78.0 | 79.8 | 80.8 | 83.5 | 83.3 | 82.4 | 77.4 | 75.7 | 74.8 | 73.1 | | | 143.0 | |
| DF/DM | 8.00 | 8000 | 67.6 | 70.6 | 72.5 | 74.2 | 73.8 | 75.8 | 76.5 | 80.8 | 80.5 | 80.7 | 76.5 | 75.4 | 75.1 | 74.9 | | | 142.2 | |
| | | 10000 | 66.7 | 67.0 | 67.3 | 69.3 | 69.8 | 70.7 | 72.0 | 79.2 | 77.9 | 81.4 | 77.4 | 77.2 | 76.7 | 76.4 | | | 143.7 | |
| OVERALL CALCULATED | | | 96.9 | 100.1 | 100.9 | 101.6 | 103.1 | 104.0 | 105.2 | 107.3 | 109.0 | 109.0 | 106.9 | 108.2 | 108.0 | 106.6 | | | 165.6 | |
| PND8 | | | 166.7 | 110.9 | 111.6 | 112.3 | 113.7 | 115.0 | 116.7 | 118.9 | 120.1 | 119.3 | 115.6 | 113.9 | 112.1 | 110.2 | | | | |

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 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) |
| | | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 58.8 | 59.1 | 64.5 | 64.2 | 67.4 | 67.7 | 69.2 | 70.8 | 72.3 | 74.9 | 73.0 | 77.7 | 78.9 | 73.3 | | |
| SIDELINE 2400. FT. | 63 | 58.1 | 62.2 | 65.2 | 65.0 | 67.2 | 68.3 | 70.5 | 71.9 | 72.9 | 73.7 | 74.6 | 78.5 | 77.1 | 72.1 | | |
| (731.52 M) | 80 | 58.8 | 63.0 | 65.1 | 65.2 | 67.4 | 68.1 | 70.9 | 72.0 | 73.6 | 73.7 | 75.6 | 77.6 | 76.1 | 72.5 | | |
| NFA 0. RPM | 100 | 59.5 | 62.8 | 64.9 | 66.7 | 68.9 | 68.8 | 70.9 | 73.4 | 73.7 | 76.2 | 77.5 | 76.4 | 73.5 | 69.4 | | |
| (0. RAD/SEC) | 125 | 60.2 | 61.7 | 64.9 | 66.5 | 68.6 | 69.7 | 71.5 | 72.1 | 73.4 | 76.2 | 76.4 | 76.0 | 71.0 | 64.9 | | |
| NFK 0. RPM | 160 | 59.9 | 62.6 | 64.9 | 66.2 | 68.4 | 69.8 | 71.7 | 73.1 | 73.4 | 75.3 | 76.1 | 75.9 | 68.9 | 62.3 | | |
| (0. RAD/SEC) | 200 | 58.2 | 63.1 | 65.5 | 66.8 | 68.1 | 70.0 | 71.9 | 73.0 | 73.2 | 75.0 | 74.7 | 72.6 | 67.3 | 60.0 | | |
| NFD 0. RPM | 250 | 60.0 | 62.3 | 64.2 | 67.5 | 69.4 | 70.5 | 71.3 | 72.9 | 72.9 | 74.5 | 73.8 | 71.9 | 65.7 | 59.8 | | |
| (0. RAD/SEC) | 315 | 58.7 | 63.2 | 65.4 | 66.3 | 68.3 | 70.3 | 71.5 | 72.8 | 74.5 | 74.7 | 72.4 | 70.8 | 64.1 | 57.9 | | |
| AIRFLOW RATIO | 400 | 57.5 | 63.1 | 65.3 | 67.8 | 69.5 | 71.0 | 71.8 | 73.5 | 75.0 | 75.7 | 71.2 | 69.3 | 62.7 | 56.5 | | |
| WF/WM 8.00 | 500 | 56.7 | 62.7 | 65.4 | 67.6 | 70.3 | 71.9 | 72.6 | 74.6 | 76.2 | 76.4 | 70.7 | 67.5 | 62.3 | 55.1 | | |
| | 630 | 56.6 | 63.1 | 66.3 | 69.1 | 71.2 | 73.0 | 74.4 | 75.7 | 78.0 | 77.0 | 70.3 | 66.9 | 61.4 | 54.4 | | |
| | 800 | 57.1 | 65.1 | 68.7 | 71.1 | 73.8 | 74.7 | 74.8 | 76.1 | 78.2 | 77.1 | 69.8 | 66.2 | 60.9 | 53.3 | | |
| VEHICLE JENOTS | 1000 | 55.3 | 62.9 | 65.8 | 69.4 | 72.4 | 73.8 | 74.6 | 76.6 | 77.9 | 76.5 | 69.4 | 64.6 | 58.0 | 50.4 | | |
| CONFIG JF-057 | 1250 | 54.3 | 63.2 | 66.3 | 68.9 | 71.4 | 72.5 | 73.8 | 76.9 | 78.1 | 75.5 | 68.3 | 63.2 | 57.5 | 49.5 | | |
| LOC EVENDALE | 1600 | 51.6 | 61.9 | 65.2 | 66.9 | 69.7 | 71.2 | 72.9 | 75.3 | 76.1 | 73.5 | 65.9 | 60.7 | 54.1 | 43.7 | | |
| DATE 04-29-75 | 2000 | 45.8 | 56.8 | 61.2 | 63.9 | 67.2 | 69.2 | 71.3 | 73.1 | 73.8 | 70.6 | 62.6 | 56.3 | 49.4 | 36.7 | | |
| RUN DBTF-MODEL 6 | 2500 | 39.6 | 51.1 | 55.4 | 59.2 | 62.3 | 65.1 | 67.8 | 70.0 | 70.0 | 66.4 | 59.1 | 51.4 | 43.1 | 28.5 | | |
| TAPE X60106 | 3150 | 32.1 | 45.6 | 51.2 | 54.8 | 57.2 | 60.3 | 62.3 | 64.2 | 64.4 | 60.8 | 53.0 | 45.3 | 34.9 | 16.4 | | |
| FAN TIP SPEED | 4000 | 17.5 | 33.3 | 40.7 | 46.5 | 48.7 | 52.3 | 54.8 | 55.8 | 55.2 | 51.3 | 43.8 | 34.5 | 21.9 | | | |
| FT/SEC | 5000 | 9.7 | 26.2 | 34.4 | 40.6 | 43.3 | 46.3 | 48.7 | 49.4 | 48.8 | 44.2 | 34.8 | 25.5 | 12.4 | | | |
| | 6300 | | 9.3 | 20.3 | 27.1 | 31.2 | 34.9 | 36.6 | 38.6 | 38.5 | 32.1 | 21.4 | 10.4 | | | | |
| | 8000 | | | | 9.5 | 13.8 | 18.4 | 20.0 | 23.4 | 20.6 | 15.9 | 3.9 | | | | | |
| | 10000 | | | | | | | | 4.5 | | | | | | | | |
| OVERALL CALCULATED | | 70.1 | 74.9 | 77.8 | 79.8 | 82.2 | 83.5 | 84.6 | 86.6 | 87.8 | 87.7 | 85.6 | 85.8 | 83.7 | 78.6 | | |
| PND8 | | 73.0 | 81.1 | 84.8 | 86.8 | 89.5 | 91.1 | 92.9 | 94.8 | 95.6 | 94.2 | 88.9 | 86.7 | 81.2 | 74.3 | | |

PROC DATE = MONTH 5 DAY 5 HR, 15.0
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 59, DEG. F, 70 PERCENT REL, HUM, DAY = JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|-----|-------|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| REV. ALPHA 12/73 | FREQ | 50 | 81.7 | 68.2 | 73.3 | 73.2 | 74.7 | 74.2 | 76.1 | 88.3 | 89.6 | 92.8 | 91.8 | 97.0 | 99.5 | 98.6 | | | 150.4 | |
| NO EGA | 63 | 78.6 | 69.3 | 70.3 | 69.5 | 69.7 | 71.4 | 73.0 | 84.2 | 85.9 | 88.2 | 90.2 | 97.6 | 99.3 | 97.6 | | | | 149.6 | |
| RDG. NO. 0. | 80 | 79.6 | 70.5 | 71.0 | 69.7 | 71.0 | 70.5 | 73.4 | 85.1 | 86.9 | 88.2 | 91.2 | 96.3 | 97.9 | 100.1 | | | | 149.5 | |
| RADIAL 320, FT. | 100 | 79.2 | 70.4 | 69.9 | 71.0 | 71.5 | 71.3 | 72.9 | 85.9 | 86.5 | 90.3 | 93.0 | 95.8 | 95.5 | 97.2 | | | | 148.5 | |
| (98, M) | 125 | 80.3 | 69.4 | 70.0 | 70.2 | 71.0 | 72.7 | 74.4 | 85.3 | 86.6 | 90.1 | 91.7 | 94.4 | 92.6 | 92.2 | | | | 146.7 | |
| VEHICLE JENOTS | 160 | 78.2 | 69.2 | 69.6 | 70.8 | 71.7 | 72.4 | 73.7 | 85.4 | 86.4 | 89.1 | 92.3 | 95.2 | 90.9 | 88.2 | | | | 146.5 | |
| CONFIG JE-057 | 200 | 78.0 | 69.7 | 70.4 | 70.7 | 71.6 | 72.5 | 74.0 | 85.5 | 86.1 | 88.5 | 90.8 | 92.2 | 88.6 | 85.7 | | | | 144.8 | |
| LOC EVENDALE | 250 | 79.6 | 66.8 | 69.0 | 71.4 | 72.0 | 72.4 | 73.3 | 84.8 | 86.0 | 87.4 | 89.4 | 90.3 | 86.1 | 84.3 | | | | 143.5 | |
| DATE 04-29-75 | 315 | 77.8 | 69.1 | 69.8 | 69.2 | 70.1 | 71.7 | 72.2 | 84.7 | 86.0 | 87.6 | 87.5 | 88.4 | 83.2 | 81.7 | | | | 142.5 | |
| RUN CRTF-MODEL 8 | 400 | 77.3 | 69.9 | 70.3 | 70.7 | 71.6 | 72.1 | 73.3 | 85.1 | 85.8 | 88.1 | 87.4 | 86.4 | 82.6 | 80.4 | | | | 142.3 | |
| TAPE X60116 | 500 | 76.5 | 70.2 | 70.8 | 71.1 | 71.9 | 73.9 | 74.9 | 86.5 | 85.8 | 87.9 | 86.3 | 84.1 | 80.1 | 79.5 | | | | 142.1 | |
| BAR 29.9 HG | 630 | 76.0 | 70.0 | 70.4 | 71.4 | 71.6 | 73.6 | 75.1 | 86.6 | 86.8 | 89.3 | 87.2 | 84.6 | 80.0 | 79.1 | | | | 142.0 | |
| (01039, N/M2) | 800 | 75.3 | 69.9 | 69.6 | 71.7 | 72.0 | 72.8 | 73.7 | 85.0 | 86.4 | 87.8 | 87.0 | 84.0 | 79.9 | 77.9 | | | | 142.2 | |
| TAMP 59, DEG F | 1000 | 73.9 | 69.0 | 69.5 | 70.0 | 70.7 | 71.8 | 72.2 | 84.6 | 86.0 | 86.9 | 84.4 | 81.4 | 78.6 | 77.8 | | | | 141.0 | |
| (268, DEG K) | 1250 | 73.9 | 69.6 | 70.9 | 70.7 | 70.6 | 71.0 | 71.4 | 84.7 | 85.5 | 88.8 | 83.0 | 79.9 | 78.3 | 76.2 | | | | 141.5 | |
| THET 53, DEG F | 1600 | 72.9 | 69.4 | 70.5 | 70.2 | 69.6 | 69.9 | 70.7 | 82.8 | 84.2 | 87.3 | 82.0 | 79.2 | 77.6 | 78.0 | | | | 140.3 | |
| (285, DEG K) | 2000 | 70.7 | 68.3 | 68.3 | 67.1 | 67.5 | 67.8 | 68.6 | 81.6 | 83.4 | 84.6 | 80.7 | 77.3 | 75.8 | 75.4 | | | | 138.7 | |
| HACT 8.91 GM/M3 | 2500 | 66.4 | 68.7 | 64.2 | 64.0 | 63.5 | 63.7 | 65.3 | 78.1 | 80.2 | 81.2 | 78.1 | 73.3 | 72.6 | 72.4 | | | | 135.7 | |
| (.00091 KG/M3) | 3150 | 62.9 | 59.9 | 60.1 | 60.2 | 59.0 | 60.0 | 61.9 | 75.2 | 76.7 | 78.2 | 74.4 | 70.3 | 70.7 | 70.9 | | | | 133.0 | |
| FREQ. SHIFT | 4000 | 58.9 | 55.7 | 55.3 | 55.5 | 53.8 | 55.8 | 58.2 | 70.8 | 72.2 | 74.7 | 71.1 | 67.0 | 68.8 | 68.7 | | | | 130.0 | |
| JET 9 | 5000 | 56.7 | 52.4 | 52.2 | 51.7 | 50.8 | 51.6 | 53.5 | 67.4 | 68.8 | 70.1 | 67.3 | 63.2 | 68.2 | 69.9 | | | | 127.0 | |
| DIAMETER RATIO | 6300 | 54.6 | 48.8 | 48.1 | 48.6 | 47.5 | 47.3 | 49.8 | 64.8 | 65.0 | 65.9 | 64.7 | 62.4 | 69.8 | 71.9 | | | | 126.5 | |
| DF/DH 8.00 | 8000 | 53.9 | 45.8 | 45.5 | 47.0 | 47.3 | 45.3 | 47.0 | 65.6 | 64.3 | 64.4 | 65.5 | 63.7 | 73.1 | 74.7 | | | | 130.0 | |
| | 10000 | 53.9 | 45.5 | 44.8 | 46.1 | 48.1 | 49.2 | 47.0 | 67.2 | 65.4 | 65.9 | 66.9 | 65.7 | 74.9 | 76.9 | | | | 134.4 | |
| OVERALL CALCULATED | | 90.2 | 81.9 | 82.7 | 83.1 | 83.7 | 84.5 | 85.8 | 97.8 | 98.7 | 101.1 | 101.6 | 104.8 | 105.1 | 105.1 | | | | 138.1 | |
| PND8 | | 95.8 | 96.4 | 90.7 | 90.9 | 90.8 | 91.5 | 92.6 | 105.6 | 106.8 | 108.8 | 106.7 | 106.9 | 105.9 | 106.3 | | | | | |

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☆ 10 dB TOO LOW

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV, ALPHA 12/73 | FREQ. | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 0° | 0° | 0° |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) |
| NO EGA | 50 | 57.8 | 46.6 | 53.3 | 54.2 | 56.4 | 56.4 | 58.4 | 70.5 | 71.3 | 73.9 | 71.7 | 75.4 | 75.6 | 71.3 | | | |
| SIDELINE 2400. FT. | 80 | 55.5 | 48.7 | 50.8 | 50.7 | 52.7 | 52.6 | 55.6 | 67.2 | 68.6 | 69.2 | 71.1 | 74.6 | 73.9 | 72.5 | | | |
| (731.52 M) | 100 | 55.0 | 48.6 | 49.7 | 51.9 | 53.1 | 53.3 | 55.1 | 67.9 | 68.2 | 71.2 | 72.7 | 73.9 | 71.3 | 69.4 | | | |
| NFA 0. RPM | 125 | 56.0 | 47.4 | 49.7 | 51.0 | 52.6 | 54.7 | 56.5 | 67.3 | 68.2 | 70.9 | 71.4 | 72.5 | 68.3 | 64.2 | | | |
| (0. PAD/SEC) | 160 | 53.7 | 47.1 | 49.1 | 51.5 | 53.2 | 54.3 | 55.7 | 67.3 | 67.9 | 69.8 | 71.9 | 73.1 | 66.4 | 59.8 | | | |
| NFK 0. RPM | 200 | 53.2 | 47.4 | 49.8 | 51.3 | 52.9 | 54.3 | 55.9 | 67.3 | 67.4 | 69.0 | 70.2 | 69.9 | 63.8 | 57.0 | | | |
| (0. RAD/SEC) | 250 | 54.5 | 46.3 | 48.2 | 51.8 | 53.1 | 54.0 | 55.0 | 66.4 | 67.1 | 67.7 | 68.6 | 67.7 | 61.0 | 55.0 | | | |
| NFD 0. RPM | 315 | 52.2 | 46.2 | 48.7 | 49.3 | 51.0 | 53.1 | 53.8 | 66.1 | 67.0 | 67.7 | 66.4 | 65.6 | 57.6 | 51.9 | | | |
| (0. RAD/SEC) | 400 | 51.2 | 46.6 | 48.8 | 50.6 | 52.3 | 53.2 | 54.6 | 66.3 | 66.5 | 68.0 | 66.0 | 63.1 | 56.5 | 49.7 | | | |
| AIRFLOW RA-10 | 500 | 49.7 | 46.4 | 48.9 | 50.6 | 52.3 | 54.7 | 55.9 | 67.3 | 68.2 | 67.4 | 64.5 | 60.3 | 53.3 | 47.9 | | | |
| WF/kM 8.00 | 630 | 48.4 | 45.6 | 48.0 | 50.4 | 51.5 | 54.0 | 55.7 | 67.2 | 66.8 | 68.3 | 64.8 | 60.2 | 52.4 | 46.2 | | | |
| | 800 | 46.6 | 44.6 | 46.5 | 50.1 | 51.3 | 52.7 | 53.8 | 65.9 | 66.7 | 66.1 | 63.8 | 58.7 | 51.2 | 43.3 | | | |
| VEHICLE JENOTS | 1000 | 43.8 | 42.6 | 45.5 | 47.6 | 49.4 | 51.0 | 51.6 | 63.9 | 64.6 | 64.5 | 60.4 | 55.1 | 48.5 | 41.2 | | | |
| CONFIG JE-057 | 1250 | 42.1 | 41.9 | 45.9 | 47.4 | 48.4 | 49.5 | 50.1 | 63.2 | 63.4 | 65.5 | 58.0 | 52.2 | 46.5 | 39.0 | | | |
| LOC EVENDALE | 1600 | 38.6 | 39.9 | 44.0 | 45.6 | 46.2 | 47.2 | 48.2 | 60.1 | 60.8 | 62.7 | 55.4 | 49.7 | 43.4 | 35.2 | | | |
| DATE 04-20-75 | 2000 | 33.6 | 35.6 | 39.9 | 40.9 | 42.7 | 43.7 | 44.8 | 57.6 | 58.6 | 58.4 | 52.4 | 45.6 | 38.6 | 28.2 | | | |
| RUN DBTF-MODEL 6 | 2500 | 25.1 | 29.8 | 33.2 | 35.5 | 36.6 | 37.6 | 39.5 | 52.0 | 53.3 | 52.7 | 47.1 | 38.4 | 31.3 | 19.0 | | | |
| TAPE X60116 | 3150 | 14.9 | 19.9 | 24.9 | 28.1 | 28.7 | 30.8 | 33.0 | 45.9 | 46.4 | 46.0 | 39.2 | 30.3 | 22.6 | 7.4 | | | |
| FAN TIP SPEED | 4000 | 0.8 | 8.0 | 13.7 | 17.8 | 18.5 | 21.8 | 24.6 | 36.8 | 38.9 | 37.0 | 29.5 | 19.2 | 10.6 | | | | |
| FT/SEC | 5000 | | 6.2 | 6.9 | 10.8 | 12.6 | 14.8 | 17.2 | 30.7 | 38.6 | 29.2 | 22.1 | 11.0 | 4.2 | | | | |
| | 6300 | | | | | 0.7 | 2.4 | 5.6 | 19.9 | 18.2 | 15.6 | 8.7 | | | | | | |
| | 8000 | | | | | | | 8.2 | 4.3 | | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 85.1 | 58.4 | 61.2 | 62.8 | 64.4 | 65.5 | 67.1 | 78.9 | 79.4 | 81.1 | 80.9 | 82.8 | 81.0 | 77.4 | | | |
| PND8 | | 65.1 | 60.9 | 68.1 | 66.1 | 67.4 | 69.2 | 70.6 | 82.9 | 83.1 | 84.5 | 82.3 | 81.5 | 76.1 | 71.4 | | | |

868

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★ 10 dB TOO LOW

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 459, DEG. F, 70 PERCENT REL. HUM, DAY - JENDTS)

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.0) |
| NO EGA | 50 | 82.7 | 78.0 | 71.8 | 73.2 | 74.7 | 74.7 | 76.3 | 86.6 | 90.1 | 92.8 | 92.3 | 98.5 | 102.0 | 101.1 | | | 152.1 |
| RDG. NO. D. | 63 | 81.8 | 72.3 | 73.1 | 72.8 | 73.0 | 74.6 | 76.7 | 88.2 | 89.7 | 91.4 | 93.2 | 100.1 | 101.6 | 100.3 | | | 152.2 |
| RADIAL 320, FT. | 80 | 81.3 | 73.0 | 73.2 | 72.5 | 73.5 | 74.3 | 76.4 | 88.4 | 89.9 | 91.2 | 94.0 | 98.6 | 100.4 | 101.3 | | | 151.7 |
| (98. M) | 100 | 81.7 | 72.4 | 72.9 | 74.0 | 74.8 | 75.0 | 76.4 | 89.4 | 90.5 | 93.8 | 96.0 | 98.3 | 97.7 | 98.0 | | | 151.0 |
| VEHICLE JENDTS | 125 | 82.6 | 71.6 | 73.0 | 73.7 | 74.8 | 75.9 | 77.4 | 83.6 | 89.6 | 92.8 | 94.7 | 96.9 | 94.4 | 92.7 | | | 149.2 |
| CONFIG JE-052 | 160 | 81.5 | 71.9 | 72.9 | 73.8 | 74.2 | 75.4 | 76.9 | 85.7 | 89.2 | 92.4 | 94.8 | 97.2 | 91.2 | 89.4 | | | 148.8 |
| LOC EVENDALE | 200 | 80.8 | 72.7 | 73.4 | 73.7 | 75.1 | 75.7 | 77.3 | 88.5 | 89.3 | 91.3 | 93.6 | 93.5 | 89.9 | 87.2 | | | 147.1 |
| DATE 04-29-75 | 250 | 82.6 | 72.6 | 73.0 | 74.9 | 76.0 | 76.4 | 77.0 | 88.3 | 89.2 | 90.6 | 92.2 | 92.0 | 88.1 | 86.3 | | | 146.2 |
| RUN DBTF-MODEL 6 | 315 | 81.3 | 73.3 | 73.3 | 73.5 | 74.0 | 75.7 | 77.0 | 88.9 | 89.5 | 90.8 | 90.5 | 90.7 | 85.9 | 83.7 | | | 145.7 |
| TAPE X60138 | 400 | 80.8 | 73.4 | 74.3 | 75.0 | 75.9 | 76.9 | 77.8 | 89.1 | 89.8 | 92.1 | 89.9 | 89.4 | 85.1 | 83.9 | | | 145.9 |
| BAR 29.6 HG | 500 | 80.5 | 74.2 | 75.0 | 75.8 | 76.7 | 78.6 | 79.7 | 90.7 | 91.6 | 93.2 | 89.6 | 87.8 | 84.6 | 83.8 | | | 146.7 |
| (01039, N/M2) | 630 | 81.0 | 75.0 | 75.6 | 77.1 | 78.1 | 80.1 | 81.8 | 92.5 | 93.6 | 95.8 | 90.2 | 88.6 | 85.3 | 84.1 | | | 148.7 |
| TAMB 59, DEG F | 800 | 82.6 | 77.4 | 77.8 | 79.7 | 80.7 | 82.0 | 82.2 | 93.2 | 94.1 | 97.3 | 90.7 | 89.3 | 87.4 | 85.7 | | | 149.8 |
| (288, DEG K) | 1000 | 79.9 | 74.2 | 75.7 | 78.0 | 79.2 | 80.5 | 80.9 | 93.9 | 94.7 | 96.6 | 90.9 | 87.4 | 84.6 | 83.1 | | | 149.7 |
| TWET 53, DEG F | 1250 | 79.4 | 75.1 | 75.9 | 77.4 | 78.6 | 79.8 | 80.4 | 93.9 | 95.8 | 96.3 | 90.3 | 86.4 | 84.6 | 83.2 | | | 149.9 |
| (285, DEG K) | 1600 | 79.4 | 76.9 | 77.5 | 77.0 | 77.9 | 79.4 | 80.7 | 93.8 | 96.0 | 95.8 | 89.7 | 86.4 | 85.1 | 84.3 | | | 149.9 |
| HACT 8.91 GM/M3 | 2000 | 79.5 | 78.8 | 79.0 | 77.8 | 78.2 | 79.3 | 80.1 | 93.1 | 95.2 | 94.6 | 88.7 | 86.5 | 87.3 | 86.4 | | | 149.4 |
| (.00891 KG/M3) | 2500 | 78.4 | 77.7 | 79.2 | 78.2 | 77.2 | 76.9 | 78.8 | 91.1 | 93.7 | 93.4 | 87.8 | 85.3 | 85.4 | 84.2 | | | 148.3 |
| FREQ. SHIFT | 3150 | 73.7 | 73.1 | 74.4 | 74.2 | 72.7 | 73.5 | 75.9 | 88.7 | 90.7 | 90.5 | 84.7 | 81.3 | 81.2 | 79.4 | | | 145.7 |
| JET 9 | 4000 | 68.9 | 68.2 | 69.3 | 69.7 | 68.3 | 71.1 | 72.4 | 84.8 | 86.2 | 86.7 | 81.6 | 78.0 | 77.5 | 75.2 | | | 142.5 |
| DIAMETER RATIO | 5000 | 67.7 | 66.2 | 67.7 | 67.7 | 66.5 | 68.8 | 69.5 | 81.9 | 83.3 | 82.9 | 77.8 | 75.0 | 74.2 | 73.4 | | | 139.7 |
| DF/DM 8.00 | 6300 | 64.4 | 62.6 | 63.6 | 64.4 | 63.3 | 65.1 | 66.8 | 79.0 | 80.3 | 80.2 | 75.9 | 73.9 | 73.5 | 72.9 | | | 138.3 |
| OVERALL CALCULATED | 8000 | 61.1 | 60.1 | 60.2 | 61.2 | 60.8 | 62.8 | 63.2 | 75.8 | 78.0 | 79.4 | 76.0 | 75.7 | 75.1 | 75.2 | | | 139.0 |
| PND8 | 10000 | 58.9 | 56.5 | 56.1 | 57.8 | 58.3 | 58.4 | 60.0 | 72.9 | 76.6 | 81.1 | 77.4 | 77.7 | 76.4 | 76.4 | | | 142.1 |
| | | 93.8 | 87.5 | 88.3 | 88.8 | 89.5 | 90.7 | 91.8 | 103.9 | 105.3 | 106.7 | 104.9 | 107.2 | 107.5 | 107.0 | | | 162.3 |
| | | 102.8 | 99.5 | 100.5 | 100.4 | 100.3 | 101.1 | 102.4 | 114.8 | 116.7 | 117.3 | 113.3 | 112.1 | 111.1 | 110.0 | | | |

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☆ 10 dB Too Low

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OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 0° | 0° |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) |
| REV, ALPHA 12/73 | FREQ | 50 | 58.8 | 48.4 | 51.8 | 54.2 | 56.4 | 56.9 | 58.7 | 70.8 | 71.8 | 73.9 | 72.2 | 76.9 | 78.1 | 73.8 | |
| | NO EGA | 63 | 57.9 | 50.7 | 53.0 | 53.8 | 54.7 | 56.8 | 59.0 | 70.4 | 71.4 | 72.5 | 73.1 | 78.5 | 77.6 | 72.9 | |
| SIDELINE 2400. FT. | | 80 | 57.3 | 51.2 | 53.1 | 53.4 | 55.2 | 56.4 | 58.6 | 70.5 | 71.6 | 72.2 | 73.8 | 76.8 | 76.4 | 73.7 | |
| (731.52 M) | | 100 | 57.5 | 50.6 | 52.7 | 54.9 | 56.4 | 57.1 | 58.6 | 71.4 | 72.2 | 74.7 | 75.7 | 76.4 | 73.5 | 70.2 | |
| NFA 0. RPM | | 125 | 58.2 | 49.7 | 52.7 | 54.5 | 56.3 | 57.9 | 59.5 | 70.6 | 71.2 | 73.7 | 74.4 | 75.0 | 70.0 | 64.7 | |
| (0. RAD/SEC) | | 160 | 56.9 | 49.8 | 52.4 | 54.5 | 55.7 | 57.3 | 58.9 | 70.6 | 70.6 | 73.1 | 74.4 | 75.1 | 66.6 | 61.1 | |
| NFK 0. RPM | | 200 | 56.0 | 50.4 | 52.8 | 54.3 | 56.4 | 57.5 | 59.2 | 70.3 | 70.7 | 71.8 | 73.0 | 71.1 | 65.1 | 58.5 | |
| (0. RAD/SEC) | | 250 | 57.5 | 50.0 | 52.2 | 55.3 | 57.1 | 58.0 | 58.8 | 69.9 | 70.4 | 71.0 | 71.3 | 69.4 | 63.0 | 57.0 | |
| NFD 0. RPM | | 315 | 55.7 | 50.4 | 52.2 | 53.6 | 55.8 | 57.1 | 58.5 | 70.3 | 70.5 | 71.0 | 69.4 | 67.8 | 60.4 | 53.9 | |
| (0. RAD/SEC) | | 400 | 54.7 | 50.1 | 52.8 | 54.8 | 56.5 | 58.0 | 59.1 | 70.3 | 70.5 | 72.0 | 68.5 | 66.1 | 59.0 | 53.2 | |
| AIRFLOW RATIO | | 500 | 53.7 | 50.4 | 53.2 | 55.3 | 57.0 | 59.4 | 60.6 | 71.6 | 71.9 | 72.7 | 67.7 | 64.0 | 57.8 | 52.1 | |
| WF/WM 8.00 | | 630 | 53.4 | 50.6 | 53.3 | 56.1 | 58.0 | 60.5 | 62.4 | 73.0 | 73.5 | 74.8 | 67.8 | 64.2 | 57.7 | 51.2 | |
| | | 800 | 53.8 | 52.1 | 54.7 | 58.1 | 60.1 | 61.9 | 62.3 | 73.1 | 73.5 | 75.6 | 67.6 | 63.9 | 58.7 | 51.0 | |
| VEHICLE JENOTS | | 1000 | 49.8 | 47.9 | 51.8 | 55.6 | 57.9 | 59.8 | 60.4 | 73.1 | 73.4 | 74.3 | 66.9 | 61.1 | 54.5 | 46.4 | |
| CONFIG JE-057 | | 1250 | 47.6 | 47.4 | 50.9 | 54.1 | 56.4 | 58.2 | 59.1 | 72.4 | 73.6 | 73.0 | 65.3 | 58.7 | 52.8 | 44.0 | |
| LOC EVENDALE | | 1600 | 45.1 | 47.4 | 51.0 | 52.4 | 54.5 | 56.7 | 58.2 | 71.1 | 72.6 | 71.2 | 63.2 | 56.9 | 50.9 | 41.4 | |
| DATE 04-29-75 | | 2000 | 42.3 | 47.1 | 50.7 | 51.6 | 53.4 | 55.2 | 56.3 | 69.1 | 70.3 | 68.4 | 60.4 | 54.8 | 50.1 | 39.2 | |
| RUN DBTF-MODEL 6 | | 2500 | 37.1 | 42.8 | 48.2 | 49.7 | 50.3 | 50.9 | 53.0 | 65.0 | 66.8 | 64.9 | 56.9 | 50.4 | 44.1 | 30.8 | |
| TAPE X60138 | | 3150 | 25.6 | 33.1 | 39.2 | 42.1 | 42.5 | 44.3 | 47.0 | 59.4 | 60.4 | 58.3 | 49.5 | 41.3 | 33.1 | 15.9 | |
| FAN TIR SPEED | | 4000 | 20.8 | 26.5 | 27.7 | 32.0 | 33.0 | 37.1 | 38.8 | 50.8 | 50.9 | 49.0 | 40.0 | 30.2 | 19.4 | | |
| FT/SEC | | 5000 | 3.7 | 18.0 | 22.4 | 26.8 | 28.3 | 32.1 | 33.2 | 45.2 | 45.1 | 42.0 | 32.6 | 22.8 | 10.2 | | |
| | | 6300 | | | 7.5 | 14.1 | 16.5 | 20.2 | 22.6 | 34.1 | 33.5 | 29.9 | 19.9 | 8.6 | | | |
| | | 8000 | | | | 0.8 | 5.4 | 6.7 | 18.4 | 18.1 | 14.7 | 3.4 | | | | | |
| | | 10000 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 87.9 | 62.2 | 64.9 | 67.1 | 69.0 | 70.6 | 71.9 | 83.6 | 84.3 | 85.4 | 83.7 | 85.0 | 83.3 | 79.2 | |
| PND8 | | | 89.6 | 68.0 | 71.6 | 73.6 | 75.4 | 77.2 | 78.5 | 91.0 | 92.0 | 91.7 | 86.6 | 85.0 | 79.8 | 74.0 | |

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☆ 10 dB TOO LOW

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|--------|
| REV. ALPHA 12/73 | FREQ. | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0) | 0, (0) | 0, (0) |
| | 50 | 85.7 | 73.5 | 74.1 | 76.2 | 77.9 | 78.2 | 79.3 | 91.3 | 93.6 | 97.1 | 96.0 | 102.5 | 106.2 | 104.9 | | | 156.1 |
| NO EGA | 63 | 85.3 | 76.1 | 77.3 | 76.5 | 77.7 | 79.1 | 81.0 | 92.2 | 93.9 | 95.9 | 98.2 | 103.6 | 105.3 | 104.1 | | | 156.0 |
| RDG. NO. 0 | 80 | 85.8 | 76.7 | 76.7 | 76.2 | 77.7 | 78.0 | 80.6 | 92.9 | 94.7 | 96.0 | 99.5 | 103.1 | 104.2 | 105.3 | | | 156.0 |
| RADIAL 320, FT. | 100 | 85.7 | 76.7 | 77.6 | 78.3 | 79.3 | 79.5 | 81.2 | 94.1 | 95.3 | 98.8 | 101.2 | 102.8 | 102.2 | 100.7 | | | 155.6 |
| (98. M) | 125 | 86.6 | 76.9 | 77.3 | 77.9 | 78.5 | 79.9 | 81.4 | 93.3 | 94.6 | 98.3 | 99.7 | 100.7 | 99.1 | 96.4 | | | 153.8 |
| VEHICLE JENOTS | 160 | 86.0 | 76.9 | 77.1 | 78.3 | 79.0 | 80.4 | 81.2 | 92.9 | 94.7 | 97.6 | 100.1 | 101.2 | 96.2 | 93.4 | | | 153.5 |
| CONFIG JE-057 | 200 | 35.3 | 77.2 | 77.4 | 78.0 | 79.1 | 80.7 | 81.8 | 93.5 | 94.8 | 97.3 | 98.6 | 98.5 | 94.4 | 91.5 | | | 152.3 |
| LOC EVENDALE | 250 | 67.1 | 76.8 | 76.5 | 79.4 | 80.0 | 81.1 | 81.3 | 93.3 | 94.7 | 96.9 | 97.7 | 97.5 | 93.9 | 91.8 | | | 151.8 |
| DATE 04-29-75 | 315 | 86.1 | 77.6 | 77.8 | 78.0 | 78.9 | 80.5 | 81.5 | 93.9 | 95.3 | 96.1 | 96.8 | 96.5 | 92.9 | 90.3 | | | 151.4 |
| RUN DBTF=MODEL 8 | 400 | 85.4 | 77.7 | 77.6 | 79.0 | 79.9 | 81.2 | 82.1 | 93.7 | 95.6 | 96.4 | 95.7 | 95.7 | 92.6 | 90.9 | | | 151.2 |
| TAPE X60150 | 500 | 84.3 | 77.8 | 77.6 | 79.2 | 80.7 | 82.4 | 82.7 | 94.8 | 96.7 | 96.3 | 95.2 | 94.4 | 91.7 | 90.1 | | | 151.3 |
| BAR 29.9 HG | 630 | 84.9 | 78.1 | 78.7 | 80.7 | 81.7 | 83.5 | 84.9 | 96.1 | 98.9 | 97.4 | 95.1 | 94.5 | 91.9 | 90.0 | | | 152.6 |
| (01039, N/M2) | 800 | 85.7 | 80.0 | 80.7 | 83.1 | 84.6 | 85.9 | 85.9 | 97.4 | 99.5 | 97.7 | 94.8 | 94.2 | 91.6 | 89.1 | | | 153.2 |
| TAK 59, DEG F | 1000 | 85.9 | 79.9 | 81.0 | 83.2 | 84.7 | 86.3 | 85.9 | 98.6 | 100.4 | 98.3 | 94.6 | 93.6 | 91.6 | 88.8 | | | 153.9 |
| (288, DEG K) | 1250 | 86.2 | 80.6 | 82.2 | 83.2 | 84.7 | 86.1 | 85.9 | 99.0 | 101.3 | 98.9 | 94.8 | 92.4 | 91.1 | 89.2 | | | 154.6 |
| TWET 53, DEG F | 1600 | 85.0 | 79.5 | 80.9 | 82.3 | 83.5 | 85.0 | 86.5 | 98.9 | 100.8 | 98.7 | 94.1 | 91.5 | 89.7 | 86.9 | | | 154.3 |
| (285, DEG K) | 2000 | 82.6 | 77.2 | 78.7 | 80.2 | 82.2 | 84.7 | 85.5 | 98.5 | 99.6 | 97.2 | 92.4 | 90.4 | 87.7 | 84.5 | | | 153.5 |
| HACT 8.91 GM/M3 | 2500 | 81.6 | 76.7 | 77.6 | 78.9 | 80.4 | 82.1 | 84.0 | 96.8 | 97.6 | 95.1 | 90.8 | 88.0 | 85.8 | 81.9 | | | 151.9 |
| (.00891 KG/M3) | 3150 | 80.6 | 75.6 | 77.1 | 77.9 | 78.9 | 81.2 | 82.4 | 94.6 | 95.9 | 93.4 | 89.6 | 86.3 | 84.1 | 80.1 | | | 150.5 |
| FREQ. SHIFT | 4000 | 77.1 | 72.1 | 73.9 | 75.9 | 76.2 | 78.5 | 80.1 | 91.5 | 91.4 | 90.4 | 87.0 | 83.9 | 81.4 | 76.6 | | | 147.8 |
| JET 9 | 5000 | 75.3 | 70.3 | 71.5 | 73.3 | 73.9 | 75.9 | 77.1 | 88.5 | 88.6 | 86.9 | 83.1 | 80.3 | 78.3 | 74.8 | | | 145.2 |
| DIAMETER RATIO | 6300 | 72.1 | 66.6 | 68.1 | 69.4 | 70.0 | 72.1 | 73.6 | 85.3 | 85.5 | 84.2 | 80.2 | 77.4 | 76.0 | 74.3 | | | 143.3 |
| DF/DH 8.00 | 8000 | 69.2 | 62.4 | 64.0 | 65.5 | 65.6 | 69.3 | 70.0 | 82.9 | 82.8 | 82.2 | 78.3 | 75.7 | 74.9 | 75.2 | | | 142.9 |
| | 10000 | 67.0 | 57.8 | 58.9 | 60.6 | 60.4 | 63.2 | 68.0 | 81.0 | 79.6 | 82.4 | 78.0 | 76.0 | 75.7 | 76.7 | | | 144.2 |
| OVERALL CALCULATOR | | 98.2 | 90.6 | 91.5 | 92.6 | 94.1 | 95.6 | 96.4 | 108.7 | 118.4 | 120.1 | 109.9 | 111.5 | 111.7 | 110.8 | | | 166.6 |
| PNDR | 107.4 | 101.1 | 102.2 | 103.4 | 104.7 | 106.6 | 107.7 | 120.2 | 123.3 | 120.1 | 117.4 | 116.4 | 114.3 | 112.9 | | | | |

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☆ 10 dB TOO LOW

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OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV, ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 61.8 | 51.9 | 54.0 | 57.2 | 59.7 | 60.4 | 61.7 | 73.5 | 75.3 | 78.1 | 76.0 | 80.9 | 82.4 | 77.6 | | | |
| SIDELINE 2400, FT. | 63 | 61.4 | 54.4 | 57.2 | 57.5 | 59.5 | 61.3 | 63.3 | 74.4 | 76.7 | 77.0 | 78.1 | 82.0 | 81.4 | 76.6 | | | |
| (731.52 M) | 80 | 61.8 | 55.0 | 56.6 | 57.2 | 59.4 | 60.1 | 62.9 | 75.0 | 76.4 | 76.9 | 79.3 | 81.3 | 80.1 | 77.7 | | | |
| NFA | 100 | 61.5 | 54.8 | 57.4 | 59.2 | 60.9 | 61.6 | 63.4 | 76.2 | 78.9 | 79.7 | 81.0 | 80.9 | 78.0 | 72.9 | | | |
| (0, RPM) | 125 | 62.2 | 53.9 | 56.9 | 58.7 | 60.1 | 61.9 | 63.5 | 75.3 | 76.2 | 79.2 | 79.4 | 78.7 | 74.8 | 68.4 | | | |
| (0, RAD/SEC) | 160 | 61.4 | 54.8 | 56.6 | 59.0 | 60.4 | 62.3 | 63.2 | 74.8 | 76.1 | 78.3 | 79.6 | 79.1 | 71.6 | 65.1 | | | |
| NFK | 200 | 60.5 | 54.9 | 56.8 | 58.5 | 60.4 | 62.5 | 63.7 | 75.3 | 76.2 | 77.8 | 78.0 | 76.1 | 69.6 | 62.7 | | | |
| (0, RAD/SEC) | 250 | 62.0 | 54.3 | 55.7 | 59.8 | 61.1 | 62.7 | 63.0 | 75.0 | 75.9 | 77.3 | 76.9 | 75.0 | 68.7 | 62.6 | | | |
| NFD | 315 | 60.5 | 53.7 | 56.7 | 58.1 | 59.8 | 61.9 | 63.0 | 75.3 | 76.3 | 76.2 | 75.7 | 73.6 | 67.4 | 60.4 | | | |
| (0, RPM) | 400 | 59.3 | 54.4 | 56.1 | 58.9 | 60.6 | 62.3 | 63.4 | 74.8 | 76.3 | 76.3 | 74.3 | 72.4 | 66.5 | 60.3 | | | |
| (0, RAD/SEC) | 500 | 57.5 | 54.0 | 55.7 | 58.6 | 61.1 | 63.3 | 63.7 | 75.6 | 77.0 | 75.7 | 73.3 | 70.6 | 64.9 | 58.4 | | | |
| AIRFLOW RATIO | 630 | 57.2 | 53.7 | 56.3 | 59.7 | 61.6 | 63.9 | 65.5 | 76.6 | 78.9 | 76.4 | 72.7 | 70.0 | 64.3 | 57.0 | | | |
| WF/WM 8.00 | 800 | 57.0 | 53.7 | 57.6 | 61.5 | 64.0 | 65.8 | 65.9 | 77.2 | 78.9 | 76.0 | 71.7 | 68.8 | 62.8 | 54.4 | | | |
| VEHICLE JENOTS | 1000 | 55.8 | 53.5 | 57.0 | 60.8 | 63.4 | 65.5 | 65.3 | 77.9 | 79.1 | 76.0 | 70.6 | 67.3 | 61.4 | 52.1 | | | |
| CONFIG JE-057 | 1250 | 54.4 | 53.0 | 57.1 | 59.9 | 62.5 | 64.5 | 64.6 | 77.5 | 79.2 | 75.6 | 69.8 | 64.8 | 59.3 | 50.0 | | | |
| LOC EVFNDAL | 1600 | 50.8 | 50.0 | 54.4 | 57.7 | 60.1 | 62.3 | 64.1 | 76.2 | 77.4 | 74.1 | 67.5 | 62.0 | 55.5 | 44.1 | | | |
| DATE 04-29-75 | 2000 | 45.5 | 45.5 | 50.3 | 54.1 | 57.3 | 60.6 | 61.7 | 74.5 | 74.8 | 71.0 | 64.0 | 58.7 | 50.6 | 37.4 | | | |
| RUN DBTF-MODEL 6 | 2500 | 40.3 | 41.8 | 46.6 | 50.4 | 53.5 | 56.1 | 58.2 | 70.7 | 70.7 | 66.6 | 59.8 | 53.1 | 44.5 | 28.5 | | | |
| TAPE X60150 | 3150 | 32.6 | 35.6 | 41.9 | 45.8 | 48.7 | 52.0 | 53.5 | 65.4 | 65.6 | 61.3 | 54.4 | 46.2 | 36.1 | 16.6 | | | |
| FAN TIP SPEED | 4000 | 28.9 | 24.4 | 32.4 | 38.2 | 40.9 | 44.3 | 46.5 | 57.5 | 58.1 | 52.7 | 45.5 | 36.2 | 23.3 | | | | |
| FT/SEC | 5000 | 11.3 | 18.1 | 26.3 | 32.4 | 35.7 | 39.2 | 40.8 | 51.8 | 50.4 | 46.0 | 37.9 | 28.1 | 14.3 | | | | |
| | 6300 | | 1.3 | 12.0 | 19.0 | 23.2 | 27.2 | 29.3 | 40.4 | 38.7 | 33.9 | 24.2 | 12.1 | | | | | |
| | 8000 | | | | 0.8 | 5.6 | 12.0 | 13.5 | 25.5 | 22.9 | 17.5 | 5.7 | | | | | | |
| | 10000 | | | | | | | | 6.3 | 1.4 | | | | | | | | |
| OVERALL CALCULATED | | 72.0 | 68.1 | 68.6 | 71.2 | 73.3 | 75.2 | 76.2 | 80.2 | 89.5 | 89.3 | 88.8 | 89.3 | 87.5 | 83.0 | | | |
| PND8 | | 74.4 | 78.7 | 74.4 | 77.7 | 80.1 | 82.5 | 83.8 | 96.2 | 97.2 | 95.1 | 91.7 | 89.9 | 85.2 | 78.8 | | | |

☆ ☆ ☆ ☆ ☆--☆

☆ 10 dB TOO LOW

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|
| SPL INPUT AT STD | REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) | (4.02) |
| NO EGA | 50 | 61.7 | 78.5 | 80.3 | 82.9 | 83.9 | 84.0 | 85.3 | 87.8 | 89.3 | 92.3 | 92.0 | 97.8 | 100.2 | 100.4 | | | | | | | 151.5 |
| RDG. NO. 0. | 63 | 81.8 | 81.8 | 82.1 | 81.0 | 81.7 | 82.2 | 84.7 | 86.6 | 88.2 | 90.4 | 93.2 | 99.9 | 101.8 | 100.6 | | | | | | | 152.4 |
| RADIAL 320. FT. | 80 | 82.3 | 82.2 | 83.0 | 81.2 | 82.2 | 82.3 | 84.9 | 86.9 | 88.4 | 90.2 | 93.7 | 98.8 | 100.7 | 102.1 | | | | | | | 152.2 |
| (98. 4) | 100 | 82.2 | 81.7 | 81.9 | 82.5 | 83.0 | 83.0 | 84.7 | 87.4 | 88.5 | 92.8 | 95.7 | 98.0 | 98.2 | 99.7 | | | | | | | 151.4 |
| VEHICLE JENOTS | 125 | 82.3 | 80.4 | 82.3 | 81.9 | 82.5 | 83.9 | 85.2 | 87.1 | 88.6 | 91.8 | 93.7 | 95.2 | 94.4 | 94.9 | | | | | | | 149.0 |
| CONFIG JENOTS | 160 | 80.5 | 80.7 | 81.9 | 82.0 | 83.0 | 83.9 | 85.4 | 87.2 | 87.9 | 91.4 | 94.3 | 96.0 | 92.4 | 91.2 | | | | | | | 148.7 |
| LOC EVFENDALE | 200 | 79.0 | 80.5 | 81.9 | 82.0 | 82.6 | 84.7 | 85.3 | 86.5 | 87.3 | 90.5 | 93.3 | 93.7 | 90.6 | 88.2 | | | | | | | 147.5 |
| DATE 14-29-75 | 250 | 80.6 | 79.6 | 81.0 | 82.9 | 83.0 | 84.4 | 84.5 | 86.3 | 87.5 | 89.6 | 91.7 | 91.8 | 88.3 | 86.8 | | | | | | | 146.4 |
| RUN DBTF-MODEL 6 | 315 | 79.0 | 80.3 | 81.5 | 80.7 | 81.8 | 82.9 | 83.7 | 85.9 | 87.5 | 89.8 | 89.7 | 89.7 | 85.1 | 84.0 | | | | | | | 145.3 |
| TAPE X60160 | 400 | 78.0 | 80.6 | 81.3 | 81.9 | 82.8 | 83.3 | 84.3 | 86.1 | 86.8 | 89.9 | 89.2 | 87.6 | 84.1 | 82.6 | | | | | | | 145.0 |
| BAR 29.2 HG | 500 | 77.2 | 81.7 | 82.5 | 82.5 | 83.6 | 84.8 | 85.4 | 87.2 | 87.3 | 89.4 | 87.8 | 85.8 | 82.0 | 80.7 | | | | | | | 145.0 |
| (98536. N/42) | 630 | 76.7 | 80.5 | 82.8 | 83.1 | 83.5 | 85.1 | 86.5 | 87.7 | 88.3 | 91.0 | 88.7 | 85.6 | 81.5 | 80.6 | | | | | | | 145.8 |
| TAMB 73. DEG F | 800 | 76.2 | 80.6 | 82.0 | 82.9 | 84.1 | 84.7 | 84.9 | 87.4 | 88.0 | 89.9 | 88.9 | 85.7 | 81.3 | 79.3 | | | | | | | 145.5 |
| (296. DEG K) | 1000 | 75.5 | 79.8 | 81.9 | 82.1 | 82.8 | 83.7 | 84.3 | 86.3 | 87.8 | 89.0 | 87.2 | 84.0 | 80.0 | 79.7 | | | | | | | 144.6 |
| THET 60. DEG F | 1250 | 75.2 | 80.4 | 83.1 | 83.5 | 82.4 | 83.3 | 83.4 | 86.2 | 88.1 | 90.4 | 85.3 | 82.4 | 79.9 | 79.7 | | | | | | | 144.9 |
| (289. DEG K) | 1600 | 74.1 | 80.1 | 82.8 | 82.7 | 82.4 | 82.6 | 83.1 | 85.8 | 87.9 | 89.5 | 84.2 | 81.6 | 79.8 | 80.0 | | | | | | | 144.5 |
| HAET G. GM/M3 | 2000 | 73.4 | 81.2 | 82.2 | 81.0 | 80.9 | 81.2 | 82.1 | 85.1 | 86.6 | 86.7 | 82.4 | 79.9 | 79.4 | 78.3 | | | | | | | 143.2 |
| (. KG/M3) | 2500 | 69.6 | 76.9 | 78.6 | 77.9 | 76.9 | 77.1 | 78.7 | 81.7 | 84.1 | 84.1 | 80.2 | 76.7 | 75.8 | 75.1 | | | | | | | 140.5 |
| FREQ. SHIFT | 3150 | 65.6 | 71.8 | 73.8 | 73.4 | 72.4 | 73.4 | 75.3 | 78.3 | 80.1 | 81.6 | 76.8 | 74.5 | 74.1 | 73.0 | | | | | | | 137.5 |
| DIAMETER RATIO | 4000 | 61.3 | 66.4 | 68.4 | 68.6 | 67.2 | 68.7 | 70.8 | 75.0 | 75.2 | 77.6 | 74.0 | 71.9 | 71.7 | 69.8 | | | | | | | 134.2 |
| DF/DM 8.00 | 5000 | 60.7 | 63.9 | 64.6 | 64.7 | 64.5 | 64.6 | 67.0 | 72.4 | 71.0 | 75.1 | 70.8 | 71.2 | 72.1 | 70.9 | | | | | | | 132.0 |
| OVERALL CALCULATED | 6300 | 62.4 | 63.4 | 62.6 | 62.9 | 63.6 | 63.9 | 65.9 | 73.6 | 69.3 | 76.7 | 71.5 | 73.9 | 74.5 | 73.4 | | | | | | | 134.3 |
| PND8 | 8000 | 64.0 | 64.7 | 63.4 | 64.3 | 65.9 | 65.6 | 67.1 | 76.2 | 71.9 | 79.3 | 73.3 | 76.8 | 77.0 | 76.1 | | | | | | | 138.6 |
| | 10000 | 66.7 | 65.5 | 65.3 | 65.6 | 67.6 | 67.9 | 69.5 | 78.7 | 74.1 | 82.3 | 76.2 | 79.2 | 79.7 | 78.1 | | | | | | | 143.9 |
| | | 91.9 | 93.2 | 94.6 | 94.7 | 95.2 | 96.1 | 97.1 | 99.2 | 100.4 | 103.0 | 103.8 | 106.5 | 107.1 | 107.4 | | | | | | | 160.8 |
| | | 98.2 | 102.7 | 104.0 | 103.6 | 103.8 | 104.4 | 105.5 | 108.5 | 109.5 | 111.6 | 109.1 | 109.2 | 108.4 | 108.4 | | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|
| SPL INPUT AT STD
REV. ALPHA 12/73 | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| FREQ. (0.52) | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 57.8 | 56.9 | 60.3 | 64.0 | 68.7 | 66.2 | 67.7 | 70.0 | 71.1 | 73.4 | 72.0 | 76.2 | 76.4 | 73.1 | | | | |
| SIDELINE 2400 FT. | 63 | 57.9 | 60.2 | 62.0 | 62.0 | 63.5 | 63.0 | 67.0 | 68.1 | 69.9 | 71.5 | 73.1 | 78.2 | 77.9 | 73.1 | | | | |
| (731.52 M) | 80 | 58.3 | 60.5 | 62.8 | 62.2 | 63.9 | 64.4 | 67.1 | 69.0 | 70.1 | 71.2 | 73.6 | 77.1 | 76.6 | 74.5 | | | | |
| NFA 2. RPM | 100 | 58.0 | 59.8 | 61.7 | 63.4 | 64.6 | 68.1 | 66.9 | 69.4 | 70.2 | 73.7 | 75.5 | 76.2 | 74.0 | 71.9 | | | | |
| (0. RAD/SEC) | 125 | 58.0 | 58.4 | 61.9 | 62.7 | 64.1 | 65.9 | 67.3 | 69.1 | 70.2 | 72.7 | 73.4 | 73.2 | 70.0 | 66.9 | | | | |
| NFK C. RPM | 160 | 55.9 | 58.6 | 61.4 | 62.7 | 64.4 | 65.8 | 67.4 | 69.1 | 69.4 | 72.1 | 73.9 | 73.9 | 67.9 | 62.8 | | | | |
| (0. RAD/SEC) | 220 | 54.2 | 58.1 | 61.3 | 62.5 | 63.9 | 66.5 | 67.2 | 68.3 | 68.6 | 71.0 | 72.7 | 71.4 | 65.8 | 59.5 | | | | |
| NFD C. RPM | 250 | 55.5 | 57.0 | 60.2 | 63.3 | 64.1 | 66.0 | 66.3 | 67.9 | 68.6 | 70.0 | 70.8 | 69.2 | 63.2 | 57.5 | | | | |
| (0. RAD/SEC) | 315 | 53.5 | 57.4 | 60.4 | 60.8 | 62.8 | 64.3 | 65.2 | 67.3 | 68.5 | 69.9 | 68.6 | 66.8 | 59.6 | 54.4 | | | | |
| AIRFLOW RATIO | 400 | 51.9 | 57.3 | 59.8 | 61.8 | 63.5 | 64.5 | 65.6 | 67.3 | 67.5 | 69.7 | 67.7 | 64.3 | 57.9 | 51.9 | | | | |
| WF/W 8.00 | 500 | 52.4 | 57.9 | 60.6 | 62.0 | 64.0 | 65.6 | 66.3 | 68.0 | 67.6 | 68.9 | 65.9 | 62.0 | 55.3 | 49.1 | | | | |
| | 630 | 49.1 | 56.0 | 60.4 | 62.1 | 63.4 | 65.5 | 67.1 | 68.2 | 68.2 | 70.0 | 66.3 | 61.1 | 53.9 | 47.6 | | | | |
| | 800 | 47.5 | 55.2 | 58.9 | 61.2 | 63.5 | 64.6 | 65.0 | 67.3 | 67.4 | 68.3 | 65.8 | 60.4 | 52.6 | 44.7 | | | | |
| VEHICLE JENOTS | 1000 | 45.4 | 53.5 | 57.9 | 59.7 | 61.5 | 62.9 | 63.7 | 65.5 | 66.5 | 66.6 | 63.3 | 57.7 | 49.8 | 43.0 | | | | |
| COAFIC JE*257 | 1250 | 43.4 | 52.7 | 58.1 | 60.2 | 60.2 | 61.8 | 62.1 | 64.7 | 65.9 | 67.1 | 60.3 | 54.8 | 48.1 | 40.5 | | | | |
| LOC EVENDALE | 1600 | 39.9 | 50.7 | 56.2 | 58.1 | 59.0 | 59.9 | 60.7 | 63.1 | 64.6 | 64.9 | 57.7 | 52.2 | 45.6 | 37.2 | | | | |
| DATE 04-29-75 | 2000 | 36.3 | 49.5 | 53.8 | 54.8 | 56.1 | 57.1 | 58.2 | 61.0 | 61.8 | 60.5 | 54.0 | 48.2 | 42.3 | 31.1 | | | | |
| RUN DBTF-MODEL 6 | 2500 | 28.2 | 42.0 | 47.6 | 49.4 | 50.0 | 51.0 | 52.9 | 55.7 | 57.2 | 55.6 | 49.3 | 41.8 | 34.5 | 21.7 | | | | |
| TAPE X60160 | 3150 | 17.5 | 31.7 | 38.6 | 41.2 | 42.1 | 44.2 | 46.4 | 49.1 | 49.8 | 49.4 | 41.6 | 34.4 | 26.0 | 9.5 | | | | |
| FAN TIP SPEED | 4000 | 3.2 | 18.7 | 26.9 | 30.9 | 31.9 | 34.8 | 37.2 | 41.0 | 39.9 | 39.9 | 32.5 | 24.2 | 13.5 | | | | | |
| FT/SEC | 5000 | | 11.7 | 19.4 | 23.8 | 26.3 | 27.8 | 30.7 | 35.7 | 32.8 | 34.2 | 25.5 | 19.0 | 8.1 | | | | | |
| | 6300 | | | 6.6 | 12.6 | 16.8 | 19.0 | 21.6 | 28.7 | 22.5 | 26.4 | 15.5 | 8.7 | | | | | | |
| | 8000 | | | | | 5.9 | 8.3 | 10.6 | 18.8 | 11.9 | 14.5 | 0.8 | | | | | | | |
| OVERALL CALCULATED | 10000 | 66.9 | 69.7 | 72.7 | 74.1 | 75.6 | 77.0 | 78.2 | 80.1 | 80.8 | 82.7 | 83.0 | 84.5 | 83.0 | 79.7 | | | | |
| PNOB | | 66.6 | 72.9 | 77.0 | 78.8 | 80.1 | 81.4 | 82.7 | 84.8 | 85.7 | 86.7 | 84.8 | 83.1 | 78.8 | 74.1 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 459, DEG, F, 70 PERCENT REL, ROM, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | PWL |
|------------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| REV. ALPHA 12/73 FREQ. | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 01. | 01. | 01. | 01. | 01. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.1) | (0.1) | (0.1) | (0.1) | (0.1) | |
| NO EGA | 50 | 83.9 | 82.2 | 82.8 | 84.2 | 85.7 | 85.7 | 87.8 | 89.6 | 91.1 | 95.1 | 94.5 | 111.0 | 115.2 | 114.4 | | | | | | 164.2 |
| RDG. NO. 0. | 63 | 85.6 | 85.6 | 85.6 | 84.5 | 85.7 | 86.6 | 88.5 | 90.2 | 91.9 | 94.2 | 96.7 | 113.4 | 115.6 | 114.3 | | | | | | 165.0 |
| RADIAL 320, FT. | 80 | 85.3 | 85.7 | 86.0 | 84.7 | 85.5 | 85.5 | 88.1 | 89.6 | 91.9 | 93.7 | 97.0 | 111.8 | 113.9 | 115.3 | | | | | | 164.2 |
| (98. M) | 100 | 85.0 | 85.7 | 85.6 | 85.8 | 87.0 | 86.8 | 87.9 | 91.1 | 92.5 | 96.0 | 99.0 | 111.0 | 111.0 | 111.5 | | | | | | 161.9 |
| VEHICLE JENOTS | 125 | 85.1 | 83.9 | 85.5 | 85.7 | 86.0 | 87.4 | 88.7 | 90.6 | 91.6 | 95.1 | 97.0 | 108.2 | 107.1 | 105.7 | | | | | | 158.4 |
| CONFIG JE-057 | 160 | 83.5 | 83.9 | 84.9 | 85.8 | 86.2 | 87.2 | 88.7 | 90.2 | 90.9 | 94.6 | 97.3 | 108.5 | 103.7 | 102.4 | | | | | | 157.5 |
| LOC EVENDALE | 200 | 82.8 | 84.5 | 84.9 | 85.7 | 86.1 | 87.2 | 88.8 | 90.2 | 90.8 | 94.0 | 96.3 | 105.2 | 101.4 | 99.5 | | | | | | 155.0 |
| DATE 04-29-75 | 250 | 84.1 | 83.6 | 84.3 | 86.4 | 86.7 | 87.9 | 88.0 | 89.8 | 90.7 | 92.6 | 95.2 | 104.5 | 100.4 | 98.8 | | | | | | 154.3 |
| RUN DBTF-MODEL 6 | 315 | 83.1 | 84.6 | 85.3 | 85.0 | 85.9 | 87.2 | 88.2 | 89.4 | 90.8 | 92.3 | 92.8 | 102.4 | 97.7 | 95.5 | | | | | | 152.4 |
| TAPE X60180 | 400 | 82.1 | 84.7 | 85.8 | 86.5 | 87.1 | 87.6 | 88.5 | 90.2 | 91.3 | 93.1 | 92.2 | 100.6 | 97.6 | 95.9 | | | | | | 151.9 |
| BAR 29.9 HG | 500 | 81.0 | 84.7 | 85.8 | 87.1 | 88.2 | 88.9 | 89.4 | 91.2 | 92.8 | 94.2 | 91.3 | 99.3 | 95.6 | 94.5 | | | | | | 151.5 |
| (01039, N/M2) | 630 | 81.5 | 86.0 | 87.4 | 88.4 | 89.6 | 90.9 | 92.1 | 93.3 | 95.1 | 96.0 | 91.5 | 99.4 | 96.0 | 95.1 | | | | | | 152.7 |
| TAMB 59, DEG F | 800 | 83.6 | 88.9 | 91.3 | 92.7 | 92.7 | 93.3 | 92.5 | 94.5 | 96.1 | 98.3 | 92.0 | 100.5 | 98.7 | 96.7 | | | | | | 154.6 |
| (288, DEG K) | 1000 | 81.4 | 86.7 | 87.7 | 89.7 | 91.2 | 92.6 | 92.7 | 95.1 | 97.2 | 98.4 | 92.6 | 99.7 | 96.6 | 94.6 | | | | | | 154.2 |
| TWET 53, DEG F | 1250 | 81.9 | 87.1 | 88.9 | 90.4 | 91.6 | 91.8 | 92.6 | 95.9 | 98.0 | 98.8 | 92.8 | 99.1 | 96.8 | 95.7 | | | | | | 154.6 |
| (285, DEG K) | 1600 | 82.9 | 89.7 | 91.3 | 91.5 | 91.1 | 91.6 | 93.2 | 96.5 | 98.2 | 98.1 | 92.2 | 99.4 | 97.9 | 96.8 | | | | | | 155.0 |
| HACT 8.91 GM/M3 | 2000 | 82.2 | 89.8 | 92.3 | 91.8 | 91.8 | 91.8 | 92.9 | 95.1 | 97.2 | 96.3 | 91.2 | 98.8 | 98.5 | 97.9 | | | | | | 154.7 |
| (.00891 KG/M3) | 2500 | 78.7 | 86.0 | 88.9 | 89.7 | 88.8 | 89.2 | 90.6 | 94.1 | 96.0 | 94.7 | 89.4 | 95.6 | 94.9 | 93.2 | | | | | | 152.7 |
| FREQ. SHIFT | 3150 | 75.5 | 83.4 | 84.9 | 86.0 | 84.8 | 86.3 | 88.7 | 90.5 | 93.0 | 92.3 | 86.7 | 93.1 | 92.2 | 89.9 | | | | | | 150.2 |
| DIAMETER RATIO | 4000 | 71.5 | 78.5 | 81.1 | 81.5 | 80.3 | 82.9 | 84.9 | 86.6 | 88.0 | 88.5 | 82.9 | 89.5 | 88.3 | 85.7 | | | | | | 146.9 |
| DF/DH 8.00 | 5000 | 67.8 | 74.2 | 76.7 | 78.0 | 77.1 | 78.4 | 80.3 | 82.5 | 83.9 | 83.7 | 78.4 | 84.8 | 84.0 | 83.5 | | | | | | 143.1 |
| OVERALL CALCULATED | 6300 | 65.2 | 69.9 | 71.6 | 73.2 | 72.1 | 75.1 | 76.7 | 78.6 | 79.9 | 80.3 | 76.5 | 85.0 | 83.3 | 83.7 | | | | | | 141.9 |
| PNDR | 8000 | 65.2 | 66.7 | 67.8 | 68.8 | 68.3 | 74.3 | 74.8 | 77.4 | 77.8 | 80.0 | 76.8 | 86.5 | 85.5 | 86.3 | | | | | | 144.4 |
| | 10000 | 67.0 | 65.4 | 65.4 | 67.2 | 66.4 | 76.5 | 76.6 | 78.5 | 76.7 | 82.2 | 78.2 | 89.0 | 87.5 | 87.7 | | | | | | 148.9 |
| | | 95.9 | 99.0 | 100.5 | 101.2 | 101.6 | 102.3 | 103.3 | 105.6 | 107.3 | 108.5 | 107.4 | 119.6 | 120.9 | 120.5 | | | | | | 171.6 |
| | | 104.8 | 110.1 | 112.1 | 112.4 | 112.4 | 113.2 | 114.4 | 116.9 | 118.6 | 118.8 | 115.2 | 123.8 | 122.7 | 122.0 | | | | | | |

☆☆☆

☆ 10 dB TOO HIGH

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 60.1 | 60.6 | 62.8 | 65.2 | 67.5 | 67.9 | 70.2 | 71.8 | 72.9 | 76.1 | 74.5 | 89.5 | 91.4 | 87.1 | | | |
| SIDELINE 2400. FT. | 63 | 61.6 | 63.9 | 65.5 | 65.5 | 67.5 | 68.8 | 70.8 | 72.4 | 73.7 | 75.2 | 76.6 | 91.7 | 91.6 | 86.9 | | | |
| (731.52 M) | 80 | 61.3 | 64.0 | 65.8 | 65.7 | 67.2 | 67.6 | 70.4 | 71.7 | 73.6 | 74.7 | 76.8 | 90.1 | 89.9 | 87.7 | | | |
| NFA 0. RPM | 100 | 60.8 | 63.8 | 65.4 | 66.7 | 68.6 | 68.8 | 70.1 | 73.2 | 74.2 | 76.9 | 78.7 | 89.2 | 86.8 | 83.7 | | | |
| (0. RAD/SEC) | 125 | 60.7 | 61.9 | 65.2 | 66.5 | 67.6 | 69.4 | 70.8 | 72.6 | 73.2 | 75.9 | 76.6 | 86.2 | 82.8 | 77.7 | | | |
| NFK 0. RPM | 160 | 58.9 | 61.8 | 64.4 | 66.5 | 67.7 | 69.1 | 70.7 | 72.1 | 72.4 | 75.3 | 76.9 | 86.4 | 79.1 | 74.1 | | | |
| (0. RAD/SEC) | 200 | 58.0 | 62.2 | 64.3 | 66.3 | 67.4 | 69.0 | 70.7 | 72.0 | 72.2 | 74.5 | 75.7 | 82.9 | 76.6 | 70.7 | | | |
| NFD 0. RPM | 250 | 59.0 | 61.0 | 63.5 | 66.8 | 67.9 | 69.5 | 69.8 | 71.4 | 71.9 | 73.0 | 74.3 | 81.9 | 75.2 | 69.6 | | | |
| (0. RAD/SEC) | 315 | 57.5 | 61.7 | 64.2 | 65.1 | 66.8 | 68.6 | 69.8 | 70.8 | 71.7 | 72.5 | 71.7 | 79.6 | 72.1 | 65.6 | | | |
| AIRFLOW RATIO | 400 | 56.0 | 61.4 | 64.4 | 66.3 | 67.8 | 68.8 | 69.8 | 71.3 | 72.0 | 73.0 | 70.8 | 77.3 | 71.5 | 65.2 | | | |
| WF/WH 8.00 | 500 | 54.2 | 60.9 | 63.9 | 66.6 | 68.5 | 69.7 | 70.4 | 72.1 | 73.2 | 73.7 | 69.5 | 75.5 | 68.8 | 62.9 | | | |
| | 630 | 53.9 | 61.6 | 65.0 | 67.4 | 69.5 | 71.3 | 72.7 | 73.7 | 75.0 | 75.0 | 69.1 | 74.9 | 68.4 | 62.2 | | | |
| | 800 | 54.8 | 63.6 | 68.2 | 71.1 | 72.1 | 73.2 | 72.6 | 74.4 | 75.5 | 76.6 | 68.9 | 75.2 | 69.9 | 62.0 | | | |
| VEHICLE JENOTS | 1000 | 51.3 | 60.4 | 63.8 | 67.4 | 69.9 | 71.8 | 72.1 | 74.4 | 75.9 | 76.0 | 68.7 | 73.3 | 66.5 | 57.9 | | | |
| CONFIG JE-057 | 1250 | 50.1 | 59.5 | 63.9 | 67.1 | 69.5 | 70.2 | 71.3 | 74.4 | 75.9 | 75.5 | 67.8 | 71.5 | 65.0 | 56.5 | | | |
| LOC EVENDALE | 1600 | 48.7 | 60.2 | 64.7 | 66.9 | 67.8 | 68.9 | 70.7 | 73.8 | 74.9 | 73.5 | 65.7 | 69.9 | 63.6 | 54.0 | | | |
| DATE 04-29-75 | 2000 | 45.1 | 58.1 | 63.9 | 65.6 | 66.9 | 67.7 | 69.1 | 71.1 | 72.3 | 70.1 | 62.9 | 67.1 | 61.4 | 50.7 | | | |
| RUN DBTF-MODEL 6 | 2500 | 37.4 | 51.1 | 57.9 | 61.3 | 61.8 | 63.2 | 64.8 | 68.1 | 69.1 | 66.2 | 58.4 | 60.7 | 53.6 | 39.8 | | | |
| TAPE X60186 | 3150 | 27.4 | 43.4 | 49.7 | 53.9 | 54.5 | 57.1 | 59.8 | 61.2 | 62.7 | 60.1 | 51.5 | 53.1 | 44.2 | 26.4 | | | |
| FAN TIP SPEED | 4000 | 13.3 | 30.8 | 39.5 | 43.8 | 45.0 | 48.9 | 51.4 | 52.6 | 52.7 | 50.8 | 41.3 | 41.8 | 30.2 | 7.1 | | | |
| FT/SEC | 5000 | 3.8 | 22.0 | 31.5 | 37.1 | 38.9 | 41.6 | 44.0 | 45.7 | 45.6 | 42.8 | 33.1 | 32.6 | 20.0 | | | | |
| | 6300 | | 8.6 | 15.6 | 22.9 | 25.3 | 30.2 | 32.4 | 33.7 | 33.1 | 29.9 | 20.5 | 19.7 | 2.1 | | | | |
| | 8000 | | | | 4.0 | 8.4 | 17.0 | 18.3 | 20.0 | 17.9 | 15.3 | 4.2 | 1.1 | | | | | |
| | 10000 | | | | | | 1.8 | 3.0 | 3.8 | | | | | | | | | |
| OVERALL CALCULATED | | 70.2 | 74.2 | 77.2 | 79.3 | 80.8 | 82.1 | 83.2 | 85.1 | 86.2 | 87.2 | 86.3 | 97.6 | 96.7 | 92.9 | | | |
| PND8 | | 71.5 | 77.8 | 84.4 | 86.7 | 88.1 | 89.4 | 90.7 | 93.0 | 94.1 | 93.7 | 89.1 | 97.5 | 94.0 | 89.4 | | | |

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☆ 10 dB TOO HIGH

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-----|-----|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. | (0. | (0. | (0. | (0. | (0. |
| | 50 | 87.9 | 75.7 | 77.6 | 78.4 | 79.9 | 80.2 | 81.6 | 93.8 | 96.1 | 99.3 | 99.8 | 106.3 | 110.7 | 108.6 | | | | | | 160.0 |
| NO EGA | 63 | 88.1 | 79.1 | 79.6 | 79.0 | 80.2 | 81.4 | 83.2 | 95.0 | 96.7 | 97.9 | 100.7 | 106.6 | 108.3 | 107.8 | | | | | | 159.1 |
| RDG, NO. 0. | 80 | 89.1 | 79.7 | 79.7 | 79.2 | 80.5 | 80.5 | 82.9 | 95.1 | 97.2 | 99.2 | 102.5 | 106.6 | 107.9 | 109.3 | | | | | | 159.5 |
| RADIAL 320, FT. | 100 | 88.2 | 79.2 | 79.6 | 80.5 | 81.5 | 81.8 | 83.2 | 96.6 | 97.5 | 101.5 | 104.0 | 105.3 | 104.0 | 105.5 | | | | | | 158.3 |
| (98, M) | 125 | 89.3 | 78.1 | 79.3 | 80.2 | 81.3 | 81.9 | 83.9 | 96.1 | 97.6 | 101.3 | 102.5 | 104.4 | 102.1 | 99.9 | | | | | | 156.9 |
| VEHICLE JENOTS | 160 | 88.2 | 78.7 | 79.4 | 80.0 | 81.5 | 82.2 | 83.9 | 96.2 | 97.4 | 100.6 | 103.6 | 104.5 | 99.4 | 96.7 | | | | | | 156.7 |
| CONFIG JE-057 | 200 | 88.1 | 79.5 | 78.9 | 80.5 | 81.6 | 82.5 | 84.0 | 96.0 | 97.1 | 100.0 | 102.1 | 101.5 | 97.9 | 94.5 | | | | | | 155.3 |
| LOC EVENDALE | 250 | 89.1 | 78.6 | 78.5 | 80.9 | 82.0 | 82.6 | 83.8 | 96.1 | 97.0 | 99.4 | 100.9 | 100.8 | 96.6 | 94.5 | | | | | | 154.6 |
| DATE 04-29-75 | 315 | 88.1 | 79.1 | 79.5 | 79.5 | 80.6 | 82.2 | 83.5 | 95.7 | 97.6 | 98.9 | 99.8 | 99.2 | 95.7 | 93.0 | | | | | | 153.9 |
| RUN DBTF-MODEL 6 | 400 | 87.4 | 79.5 | 79.1 | 80.8 | 81.4 | 82.9 | 83.8 | 95.7 | 97.9 | 98.2 | 98.5 | 98.4 | 95.9 | 93.4 | | | | | | 153.5 |
| TAPE X60208 | 500 | 86.0 | 78.8 | 78.8 | 80.9 | 81.7 | 83.4 | 84.2 | 96.6 | 98.4 | 97.8 | 97.7 | 97.4 | 94.7 | 92.6 | | | | | | 153.3 |
| BAR 29.9 HG | 630 | 86.6 | 78.9 | 79.5 | 81.5 | 82.4 | 84.2 | 85.4 | 97.6 | 100.2 | 98.4 | 97.3 | 97.2 | 94.4 | 91.7 | | | | | | 154.1 |
| (01039, N/M2) | 800 | 87.0 | 80.8 | 81.0 | 83.3 | 85.1 | 85.7 | 85.9 | 98.4 | 100.8 | 96.2 | 96.6 | 96.7 | 94.3 | 90.8 | | | | | | 154.4 |
| TAMB 59, DEG F | 1000 | 86.6 | 80.9 | 81.2 | 83.7 | 85.4 | 86.8 | 86.9 | 99.1 | 101.4 | 98.3 | 95.8 | 94.9 | 93.8 | 91.1 | | | | | | 154.7 |
| (288, DEG K) | 1250 | 87.0 | 81.1 | 81.9 | 84.0 | 85.7 | 86.8 | 87.2 | 100.0 | 102.3 | 98.6 | 95.3 | 94.2 | 92.6 | 90.5 | | | | | | 155.3 |
| THWT 53, DEG F | 1600 | 85.7 | 79.5 | 81.1 | 82.6 | 85.0 | 86.2 | 87.3 | 99.9 | 101.6 | 98.4 | 94.8 | 92.8 | 91.2 | 88.4 | | | | | | 155.0 |
| (283, DEG K) | 2000 | 83.9 | 78.2 | 79.4 | 81.2 | 83.9 | 85.2 | 86.5 | 99.8 | 99.8 | 96.7 | 93.1 | 91.4 | 89.2 | 86.5 | | | | | | 154.0 |
| HACT 8.91 GM/M3 | 2500 | 82.9 | 77.4 | 78.1 | 80.2 | 81.7 | 83.9 | 85.5 | 97.5 | 98.1 | 94.9 | 91.5 | 88.8 | 86.8 | 84.1 | | | | | | 152.4 |
| (.00891 KG/M3) | 3150 | 81.6 | 78.1 | 77.3 | 79.4 | 79.9 | 82.2 | 83.6 | 95.9 | 96.8 | 92.7 | 89.6 | 87.3 | 84.9 | 81.6 | | | | | | 151.1 |
| FREQ, SHIFT | 4000 | 77.8 | 73.4 | 74.7 | 76.6 | 76.9 | 79.5 | 80.6 | 92.0 | 92.2 | 90.1 | 86.8 | 84.1 | 82.4 | 78.3 | | | | | | 148.2 |
| JET 9 | 5000 | 76.1 | 70.5 | 72.0 | 74.3 | 74.9 | 76.9 | 77.4 | 89.0 | 89.1 | 86.7 | 83.1 | 80.8 | 79.0 | 76.3 | | | | | | 145.5 |
| DIAMETER RATIO | 6300 | 72.9 | 66.8 | 68.3 | 70.6 | 70.5 | 75.1 | 74.3 | 86.3 | 86.0 | 83.9 | 80.2 | 78.4 | 76.7 | 74.8 | | | | | | 143.9 |
| DF/DM 8.00 | 8000 | 69.7 | 63.1 | 64.3 | 67.0 | 66.8 | 73.1 | 70.8 | 83.4 | 83.1 | 82.2 | 78.0 | 77.7 | 75.4 | 75.5 | | | | | | 143.3 |
| | 10000 | 67.5 | 59.1 | 59.4 | 61.9 | 61.6 | 78.0 | 68.5 | 81.2 | 79.6 | 82.9 | 78.2 | 79.0 | 75.7 | 76.7 | | | | | | 145.1 |
| OVERALL CALCULATED | | 100.1 | 92.0 | 92.5 | 94.1 | 95.5 | 96.8 | 97.8 | 110.2 | 111.8 | 111.7 | 112.6 | 114.6 | 115.2 | 114.6 | | | | | | 169.0 |
| PND8 | | 108.8 | 102.1 | 102.9 | 104.8 | 106.1 | 108.1 | 109.1 | 121.4 | 122.3 | 120.6 | 118.9 | 118.4 | 116.9 | 115.8 | | | | | | |

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☆ 10 dB TOO LOW

ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL, HUM, DAY)

| REV, ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 84.1 | 54.1 | 57.5 | 59.8 | 61.7 | 62.4 | 63.9 | 76.0 | 77.8 | 80.4 | 79.7 | 84.7 | 86.9 | 81.3 | | | | |
| SIDFLINE 2400. FT. | 63 | 84.1 | 57.4 | 59.5 | 60.0 | 62.0 | 63.5 | 65.5 | 77.1 | 78.4 | 79.0 | 80.6 | 85.0 | 84.4 | 80.4 | | | | |
| (731.52 M) | 80 | 65.0 | 58.0 | 59.6 | 60.2 | 62.2 | 62.6 | 65.1 | 77.2 | 78.9 | 80.2 | 82.3 | 84.8 | 83.9 | 81.7 | | | | |
| NFA 0. RPM | 125 | 85.0 | 58.2 | 58.9 | 61.4 | 63.1 | 63.8 | 65.4 | 78.7 | 79.2 | 82.4 | 83.7 | 83.4 | 79.8 | 77.7 | | | | |
| (0. RAD/SEC) | 160 | 83.7 | 56.6 | 58.9 | 60.7 | 62.9 | 64.1 | 65.9 | 78.1 | 78.9 | 81.3 | 83.1 | 82.4 | 74.9 | 68.3 | | | | |
| NFK 0. RPM | 200 | 63.3 | 57.2 | 58.3 | 61.0 | 62.9 | 64.3 | 65.9 | 77.8 | 78.4 | 80.5 | 81.5 | 79.1 | 73.1 | 65.7 | | | | |
| (0. RAD/SEC) | 250 | 64.0 | 56.3 | 57.7 | 61.3 | 63.1 | 64.2 | 65.5 | 77.7 | 78.2 | 79.8 | 80.1 | 78.2 | 71.5 | 65.3 | | | | |
| NFD 0. RPM | 315 | 62.5 | 56.2 | 58.4 | 59.6 | 61.6 | 63.6 | 65.0 | 77.1 | 78.5 | 79.0 | 78.7 | 76.3 | 70.1 | 63.2 | | | | |
| (0. RAD/SEC) | 400 | 61.3 | 56.2 | 57.6 | 60.6 | 62.1 | 64.0 | 65.1 | 76.8 | 78.5 | 78.0 | 77.0 | 75.1 | 69.8 | 62.8 | | | | |
| AIRFLOW RATIO | 500 | 59.3 | 55.0 | 57.0 | 60.4 | 62.1 | 64.3 | 65.2 | 77.4 | 78.8 | 77.2 | 75.8 | 73.6 | 67.9 | 60.9 | | | | |
| WF/WM 8.00 | 630 | 59.0 | 54.4 | 57.1 | 60.5 | 62.3 | 64.6 | 66.0 | 78.1 | 80.1 | 77.4 | 74.9 | 72.8 | 66.8 | 58.8 | | | | |
| | 800 | 58.2 | 55.5 | 57.9 | 61.7 | 64.5 | 65.6 | 65.9 | 78.2 | 80.1 | 76.5 | 73.5 | 71.3 | 65.6 | 56.2 | | | | |
| VEHICLE JENOTS | 1000 | 56.5 | 54.6 | 57.3 | 61.3 | 64.1 | 66.0 | 66.3 | 78.4 | 80.1 | 76.0 | 71.9 | 68.5 | 63.7 | 54.4 | | | | |
| CONFIG JE-057 | 1250 | 55.2 | 53.5 | 56.9 | 60.7 | 63.5 | 65.3 | 65.8 | 78.5 | 80.2 | 75.3 | 70.3 | 66.5 | 60.8 | 51.3 | | | | |
| LOC EVENDALE | 1600 | 51.5 | 50.0 | 54.6 | 58.0 | 61.6 | 63.5 | 64.8 | 77.2 | 78.2 | 73.8 | 68.3 | 63.3 | 57.0 | 45.6 | | | | |
| DATE 04-29-75 | 2000 | 46.8 | 46.5 | 51.1 | 55.1 | 59.1 | 61.1 | 62.7 | 75.7 | 76.0 | 70.5 | 64.8 | 59.7 | 52.1 | 39.4 | | | | |
| RUN DBTF=MODEL 6 | 2500 | 41.5 | 42.5 | 47.1 | 51.7 | 54.8 | 57.8 | 59.7 | 71.5 | 71.2 | 66.4 | 60.6 | 53.9 | 45.5 | 30.7 | | | | |
| TAPE X60206 | 3150 | 33.6 | 38.1 | 42.1 | 47.3 | 49.7 | 53.0 | 54.7 | 66.6 | 66.1 | 60.5 | 54.4 | 47.2 | 36.8 | 18.1 | | | | |
| FAN TIP SPEED | 4000 | 29.7 | 25.7 | 33.1 | 38.9 | 41.6 | 45.5 | 47.0 | 58.0 | 58.9 | 52.4 | 45.2 | 36.4 | 24.3 | | | | | |
| FT/SEC | 5000 | 12.1 | 16.3 | 26.8 | 33.4 | 36.7 | 40.2 | 41.1 | 52.3 | 58.9 | 45.8 | 37.9 | 28.6 | 15.0 | | | | | |
| | 6300 | | 1.5 | 12.3 | 20.8 | 23.7 | 30.2 | 30.1 | 41.4 | 39.2 | 33.6 | 24.2 | 13.1 | | | | | | |
| | 8000 | | | | 2.3 | 6.8 | 15.7 | 14.3 | 26.0 | 23.1 | 17.5 | 5.4 | | | | | | | |
| | 10000 | | | | | | 3.2 | | 6.5 | 2.4 | | | | | | | | | |
| OVERALL CALCULATED | | 74.4 | 68.0 | 70.2 | 72.7 | 75.0 | 76.5 | 77.8 | 90.0 | 91.2 | 91.4 | 91.7 | 92.5 | 91.0 | 86.9 | | | | |
| PNDB | | 76.4 | 71.7 | 75.3 | 78.7 | 81.6 | 83.7 | 85.0 | 97.7 | 98.4 | 96.0 | 94.3 | 92.8 | 88.4 | 82.9 | | | | |

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☆ 10 dB Too Low

| PAGE 1 | | FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | PROC DATE - MONTH 5 DAY 6 HR, 11.4 | | | | | | | | | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159, DEG. F, 70 PERCENT REL, ROA, DAY = JENOTS) | | |
|--------|--------------------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|------------------------------------|-------------|-------------|-------------|--------|--------|--------------|-----|-------|--|--|--|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0, PWL | | | | | | |
| REV. | ALPHA 12/73 FREQ. | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0) | 0, (0) | 0, (0) | PWL | | | | | |
| | NO EGA | 50 | 82.9 | 80.2 | 81.8 | 83.7 | 84.9 | 85.2 | 86.6 | 88.6 | 90.6 | 94.1 | 94.0 | 99.5 | 102.5 | 102.1 | | | | 153.2 | | | | |
| | RDG. NO. 0 | 63 | 83.8 | 83.6 | 83.8 | 82.8 | 83.0 | 84.4 | 87.0 | 88.0 | 89.9 | 91.9 | 94.7 | 102.4 | 104.6 | 102.6 | | | | 154.6 | | | | |
| | RADIAL 320, FT. | 80 | 84.3 | 84.2 | 84.5 | 83.0 | 84.0 | 84.3 | 86.6 | 88.6 | 90.9 | 92.5 | 96.2 | 101.3 | 102.9 | 104.3 | | | | 154.3 | | | | |
| | (98, M) | 100 | 83.7 | 83.7 | 83.9 | 84.0 | 84.5 | 84.5 | 86.2 | 89.1 | 90.3 | 94.3 | 97.7 | 100.3 | 100.5 | 101.7 | | | | 153.2 | | | | |
| | VEHICLE JENOTS | 125 | 83.6 | 82.4 | 83.8 | 83.7 | 84.5 | 85.9 | 86.9 | 88.8 | 90.4 | 94.1 | 96.0 | 97.7 | 97.1 | 97.2 | | | | 151.1 | | | | |
| | CONFIG JE-057 | 160 | 82.0 | 81.9 | 83.1 | 83.8 | 84.2 | 85.4 | 87.2 | 89.2 | 89.9 | 94.1 | 96.6 | 98.5 | 94.9 | 94.2 | | | | 150.9 | | | | |
| | LOC EVENDALE | 200 | 80.8 | 82.2 | 83.2 | 83.7 | 84.6 | 85.7 | 87.0 | 88.2 | 89.6 | 92.8 | 95.8 | 95.5 | 92.9 | 91.7 | | | | 149.4 | | | | |
| | DATE 04-29-75 | 250 | 82.6 | 81.6 | 82.5 | 84.7 | 84.7 | 86.4 | 86.3 | 87.8 | 89.5 | 91.9 | 93.9 | 94.0 | 90.6 | 90.8 | | | | 148.4 | | | | |
| | RUN DBTF-MODEL 6 | 315 | 80.8 | 81.8 | 82.8 | 82.0 | 83.1 | 84.2 | 86.0 | 87.9 | 89.0 | 91.1 | 91.8 | 91.4 | 87.7 | 88.2 | | | | 146.9 | | | | |
| | TAPE X60218 | 400 | 79.8 | 82.2 | 83.0 | 83.2 | 83.6 | 84.4 | 85.5 | 87.4 | 88.8 | 91.4 | 90.9 | 89.6 | 85.8 | 86.2 | | | | 146.5 | | | | |
| | BAR 29.9 HG | 500 | 78.5 | 82.5 | 83.0 | 84.1 | 84.7 | 86.1 | 86.9 | 88.5 | 89.3 | 91.2 | 89.1 | 87.6 | 83.6 | 82.8 | | | | 146.4 | | | | |
| | (01039, N/M2) | 630 | 78.5 | 82.5 | 83.9 | 84.9 | 84.8 | 86.4 | 88.1 | 89.1 | 90.1 | 92.3 | 89.5 | 87.2 | 82.5 | 81.9 | | | | 147.1 | | | | |
| | TAMB 59, DEG F | 800 | 77.1 | 81.4 | 83.8 | 84.7 | 85.7 | 86.6 | 87.4 | 89.2 | 90.4 | 92.3 | 90.0 | 86.8 | 82.7 | 81.2 | | | | 147.2 | | | | |
| | (288, DEG K) | 1000 | 76.7 | 81.0 | 82.7 | 84.2 | 84.7 | 85.6 | 86.5 | 88.1 | 90.2 | 91.1 | 88.9 | 85.2 | 81.8 | 81.1 | | | | 146.4 | | | | |
| | TWET 53, DEG F | 1250 | 76.4 | 81.6 | 83.6 | 84.4 | 84.6 | 85.0 | 85.4 | 88.4 | 90.5 | 91.1 | 86.8 | 83.6 | 81.1 | 80.7 | | | | 146.3 | | | | |
| | (285, DEG K) | 1600 | 75.1 | 81.2 | 83.8 | 84.2 | 83.9 | 84.6 | 85.2 | 87.8 | 90.2 | 91.3 | 85.7 | 82.9 | 81.6 | 80.8 | | | | 146.2 | | | | |
| | HACT 8.91 GM/M3 | 2000 | 75.0 | 82.3 | 84.5 | 83.1 | 83.3 | 83.0 | 83.9 | 86.9 | 88.4 | 89.1 | 84.2 | 82.0 | 81.5 | 80.4 | | | | 145.0 | | | | |
| | (.00891 KG/M3) | 2500 | 71.2 | 78.7 | 80.9 | 80.0 | 79.5 | 79.7 | 80.6 | 83.6 | 86.2 | 86.2 | 81.4 | 78.1 | 77.4 | 77.0 | | | | 142.3 | | | | |
| | FREQ. SHIFT | 3150 | 67.2 | 74.7 | 76.7 | 76.5 | 74.8 | 75.8 | 77.2 | 80.0 | 82.2 | 83.0 | 79.0 | 75.1 | 74.7 | 74.2 | | | | 139.2 | | | | |
| | JET 9 | 4000 | 63.2 | 69.8 | 72.3 | 71.8 | 70.1 | 71.4 | 72.9 | 76.6 | 77.5 | 79.2 | 75.6 | 72.5 | 72.3 | 71.7 | | | | 136.0 | | | | |
| | DIAMETER RATIO | 5000 | 61.3 | 66.0 | 68.7 | 68.3 | 66.3 | 65.6 | 67.8 | 72.7 | 73.6 | 75.2 | 73.6 | 71.3 | 70.7 | 71.0 | | | | 132.9 | | | | |
| | DF/DH 8.00 | 6300 | 61.7 | 63.4 | 64.4 | 65.4 | 63.8 | 62.9 | 64.2 | 73.3 | 72.4 | 75.0 | 74.8 | 73.7 | 73.1 | 73.4 | | | | 134.2 | | | | |
| | | 8000 | 64.2 | 63.9 | 64.1 | 65.5 | 65.6 | 64.6 | 64.6 | 76.1 | 74.6 | 77.2 | 76.8 | 76.5 | 75.2 | 76.0 | | | | 138.3 | | | | |
| | | 10000 | 66.5 | 65.4 | 64.9 | 66.4 | 67.7 | 66.5 | 66.8 | 78.5 | 75.9 | 80.9 | 78.5 | 79.0 | 77.5 | 78.2 | | | | 143.3 | | | | |
| | OVERALL CALCULATED | | 93.5 | 94.7 | 96.0 | 96.3 | 96.8 | 97.7 | 98.9 | 100.9 | 102.4 | 104.8 | 105.8 | 108.7 | 109.6 | 109.5 | | | | 162.7 | | | | |
| | PND8 | | 99.7 | 104.1 | 105.9 | 105.6 | 105.7 | 106.1 | 107.2 | 110.1 | 111.5 | 113.1 | 111.1 | 111.0 | 110.2 | 110.4 | | | | | | | | |

903

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0 | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|---------|--|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| REV, ALPHA 12/73 | FREQ | 50 | 59.1 | 58.6 | 61.8 | 64.7 | 66.7 | 67.4 | 68.9 | 70.8 | 72.4 | 75.1 | 74.0 | 78.0 | 78.6 | 74.8 | | | | |
| | | 63 | 59.9 | 61.9 | 63.7 | 63.8 | 64.7 | 66.5 | 69.3 | 70.1 | 71.7 | 73.0 | 74.6 | 80.7 | 80.6 | 75.1 | | | | |
| SIDELINE 2400, FT. | 80 | 60.3 | 62.5 | 64.3 | 63.9 | 65.7 | 66.4 | 68.9 | 70.7 | 72.6 | 73.4 | 76.1 | 79.6 | 78.9 | 76.7 | | | | | |
| (731.52 M) | 100 | 59.5 | 61.8 | 63.7 | 64.9 | 66.1 | 66.6 | 68.4 | 71.2 | 71.9 | 75.2 | 77.5 | 78.4 | 76.3 | 73.9 | | | | | |
| NFA | 125 | 59.2 | 60.4 | 63.4 | 64.5 | 66.1 | 67.9 | 69.0 | 70.8 | 71.9 | 74.9 | 75.6 | 75.7 | 72.8 | 69.2 | | | | | |
| (0, RAD/SEC) | 160 | 57.4 | 59.8 | 62.6 | 64.5 | 65.7 | 67.3 | 69.2 | 71.1 | 71.4 | 74.8 | 76.1 | 76.4 | 70.4 | 65.8 | | | | | |
| NFK | 200 | 56.0 | 59.9 | 62.5 | 64.3 | 65.9 | 67.5 | 68.9 | 70.0 | 70.9 | 73.3 | 75.2 | 73.1 | 68.1 | 63.0 | | | | | |
| (0, RAD/SEC) | 250 | 57.5 | 59.0 | 61.7 | 65.0 | 65.9 | 68.0 | 68.0 | 69.4 | 70.6 | 72.3 | 73.1 | 71.4 | 65.5 | 61.6 | | | | | |
| NFD | 315 | 55.2 | 58.9 | 61.7 | 62.1 | 64.0 | 65.6 | 67.5 | 69.3 | 70.0 | 71.2 | 70.7 | 68.6 | 62.1 | 58.4 | | | | | |
| (0, RAD/SEC) | 400 | 53.7 | 58.9 | 61.6 | 63.1 | 64.3 | 65.5 | 66.8 | 68.5 | 69.5 | 71.2 | 69.5 | 66.3 | 59.7 | 55.5 | | | | | |
| AIRFLOW RATIO | 500 | 51.7 | 58.7 | 61.2 | 63.6 | 65.0 | 66.9 | 67.9 | 69.3 | 69.7 | 70.7 | 67.2 | 63.8 | 56.8 | 51.1 | | | | | |
| WF/WM 8.00 | 630 | 50.9 | 58.1 | 61.5 | 63.9 | 64.7 | 66.8 | 68.7 | 69.5 | 70.0 | 71.3 | 67.1 | 62.7 | 54.9 | 48.9 | | | | | |
| | 800 | 48.3 | 56.1 | 60.7 | 63.1 | 65.1 | 66.4 | 67.5 | 69.1 | 69.7 | 70.6 | 66.9 | 61.5 | 53.9 | 46.5 | | | | | |
| VEHICLE JENOTS | 1000 | 46.6 | 54.6 | 58.8 | 61.9 | 63.4 | 64.8 | 65.9 | 67.4 | 68.9 | 68.8 | 64.9 | 58.8 | 51.7 | 44.4 | | | | | |
| CONFIG JE-05Z | 1250 | 44.6 | 54.0 | 58.6 | 61.1 | 62.5 | 63.5 | 64.1 | 66.9 | 68.4 | 67.8 | 61.8 | 56.0 | 49.3 | 41.5 | | | | | |
| LOC EVENDALE | 1600 | 40.9 | 51.7 | 57.2 | 59.6 | 60.5 | 61.9 | 62.7 | 65.1 | 66.9 | 66.7 | 59.2 | 53.4 | 47.4 | 38.0 | | | | | |
| DATE 04-29-75 | 2000 | 37.9 | 50.6 | 56.2 | 56.9 | 58.4 | 59.0 | 60.1 | 62.8 | 63.6 | 62.9 | 55.9 | 50.3 | 44.4 | 33.2 | | | | | |
| RUN DBTF-MODEL 6 | 2500 | 29.9 | 43.8 | 49.9 | 51.5 | 52.6 | 53.7 | 54.8 | 57.6 | 59.3 | 57.7 | 50.4 | 43.2 | 36.1 | 23.6 | | | | | |
| TAPE X60210 | 3150 | 19.2 | 34.6 | 41.5 | 44.4 | 44.5 | 46.6 | 48.3 | 50.7 | 51.9 | 50.8 | 43.7 | 35.1 | 26.7 | 10.7 | | | | | |
| FAN TIP SPEED | 4000 | 5.1 | 22.0 | 30.8 | 34.1 | 34.8 | 37.4 | 39.4 | 42.6 | 42.2 | 41.6 | 34.1 | 24.8 | 14.2 | | | | | | |
| FT/SEC | 5000 | | 13.8 | 23.5 | 27.4 | 28.1 | 28.9 | 31.5 | 36.0 | 35.4 | 34.3 | 28.4 | 19.1 | 6.7 | | | | | | |
| | 6300 | | | 8.3 | 15.1 | 17.0 | 18.0 | 19.9 | 28.5 | 25.6 | 24.7 | 18.7 | 8.4 | | | | | | | |
| | 8000 | | | | 0.8 | 5.6 | 7.2 | 8.0 | 18.8 | 14.6 | 12.5 | 4.2 | | | | | | | | |
| | 10000 | | | | | | | | 3.8 | | | | | | | | | | | |
| OVERALL CALCULATED | | 68.5 | 71.3 | 74.1 | 75.7 | 77.1 | 78.5 | 80.0 | 81.7 | 82.8 | 84.6 | 85.1 | 86.8 | 85.5 | 81.8 | | | | | |
| PND8 | | 68.5 | 74.3 | 78.7 | 80.6 | 81.8 | 83.3 | 84.5 | 86.6 | 87.9 | 88.6 | 87.0 | 85.4 | 81.3 | 76.8 | | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0 | | | PWL |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|-------|--|-----|
| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | 50 | 86.2 | 83.7 | 84.6 | 86.4 | 87.7 | 87.5 | 88.8 | 91.3 | 93.6 | 97.1 | 96.8 | 104.0 | 108.2 | 106.9 | | | | 157.8 | | |
| RDG. NO. 0 | 63 | 87.8 | 87.8 | 88.3 | 86.3 | 87.0 | 88.6 | 90.2 | 92.5 | 93.9 | 95.9 | 99.5 | 105.6 | 108.1 | 106.8 | | | | 158.3 | | |
| RADIAL 320. FT. | 80 | 88.1 | 88.2 | 88.0 | 86.5 | 88.0 | 87.8 | 89.9 | 92.1 | 94.7 | 96.0 | 100.0 | 104.6 | 107.4 | 108.6 | | | | 158.3 | | |
| (98. M) | 100 | 86.7 | 87.2 | 86.9 | 88.0 | 88.5 | 89.0 | 89.9 | 92.6 | 94.3 | 98.3 | 101.5 | 103.5 | 104.0 | 104.2 | | | | 156.6 | | |
| VEHICLE JENOTS | 125 | 86.8 | 85.1 | 87.5 | 87.4 | 88.0 | 89.2 | 90.7 | 92.3 | 94.6 | 98.3 | 100.0 | 100.4 | 99.6 | 98.9 | | | | 154.4 | | |
| CONFIG JE-057 | 160 | 85.2 | 86.2 | 86.9 | 87.3 | 87.7 | 88.9 | 90.7 | 92.7 | 93.4 | 97.4 | 100.3 | 100.7 | 96.9 | 95.2 | | | | 153.9 | | |
| LOC EVENDALE | 200 | 84.6 | 86.5 | 86.4 | 87.2 | 87.8 | 89.0 | 90.5 | 92.0 | 92.8 | 96.3 | 98.6 | 97.5 | 94.1 | 91.7 | | | | 152.2 | | |
| DATE 04-29-75 | 250 | 85.6 | 85.3 | 86.0 | 88.2 | 88.7 | 89.4 | 90.0 | 91.3 | 92.7 | 95.4 | 96.9 | 96.5 | 92.6 | 91.3 | | | | 151.4 | | |
| RUN DBTF-MODEL 6 | 315 | 84.3 | 85.8 | 86.5 | 86.2 | 87.4 | 88.7 | 89.5 | 91.4 | 92.8 | 94.6 | 95.3 | 94.4 | 90.2 | 88.5 | | | | 150.3 | | |
| TAPE X60230 | 400 | 83.3 | 85.9 | 86.8 | 87.2 | 88.4 | 88.6 | 90.3 | 91.9 | 92.8 | 94.4 | 93.9 | 93.4 | 89.6 | 89.2 | | | | 150.2 | | |
| BAR 29.9 HG | 500 | 82.5 | 85.7 | 86.0 | 87.8 | 88.7 | 89.9 | 90.7 | 93.0 | 94.3 | 94.4 | 92.8 | 91.6 | 88.3 | 86.8 | | | | 150.4 | | |
| (01039. N/M2) | 630 | 82.8 | 86.5 | 87.9 | 88.6 | 90.1 | 91.6 | 92.8 | 94.3 | 96.4 | 96.8 | 92.7 | 91.7 | 88.0 | 86.6 | | | | 151.9 | | |
| TAMB 59. DEG F | 800 | 83.6 | 90.4 | 92.3 | 93.2 | 94.0 | 94.6 | 93.7 | 95.7 | 98.4 | 97.8 | 93.2 | 92.3 | 90.2 | 89.2 | | | | 153.9 | | |
| (288. DEG K) | 1000 | 82.4 | 87.7 | 89.0 | 91.2 | 92.2 | 93.6 | 94.2 | 96.1 | 98.2 | 98.9 | 93.4 | 91.4 | 88.1 | 86.6 | | | | 153.8 | | |
| THET 53. DEG F | 1250 | 83.7 | 89.4 | 90.6 | 91.9 | 92.9 | 93.5 | 94.1 | 97.2 | 99.3 | 99.6 | 93.8 | 91.1 | 89.6 | 87.9 | | | | 154.6 | | |
| (285. DEG K) | 1600 | 83.9 | 90.7 | 92.8 | 92.5 | 92.9 | 93.4 | 94.4 | 97.5 | 99.2 | 98.6 | 93.2 | 90.4 | 89.1 | 88.0 | | | | 154.7 | | |
| HACT 8.91 GM/M3 | 2000 | 81.7 | 89.0 | 91.0 | 91.3 | 92.3 | 93.3 | 93.9 | 97.1 | 98.4 | 96.8 | 91.7 | 89.3 | 88.3 | 86.6 | | | | 154.0 | | |
| (.00891 KG/M3) | 2500 | 78.4 | 85.2 | 86.9 | 88.2 | 89.3 | 90.0 | 92.3 | 95.1 | 97.2 | 95.2 | 90.1 | 86.9 | 84.9 | 83.7 | | | | 152.3 | | |
| FREQ. SHIFT | 3150 | 76.2 | 84.2 | 85.9 | 86.5 | 86.0 | 88.0 | 89.7 | 92.5 | 94.2 | 92.8 | 87.0 | 84.6 | 83.5 | 82.4 | | | | 150.2 | | |
| JET 9 | 4008 | 72.0 | 78.8 | 81.6 | 82.5 | 82.3 | 84.1 | 86.4 | 88.4 | 89.5 | 88.5 | 83.9 | 81.8 | 80.8 | 80.5 | | | | 146.9 | | |
| DIAMETER RATIO | 5000 | 68.5 | 75.2 | 77.2 | 78.5 | 78.1 | 80.4 | 82.1 | 84.0 | 85.6 | 84.2 | 79.1 | 80.0 | 79.5 | 81.2 | | | | 143.4 | | |
| DF/DH 8.00 | 6300 | 65.4 | 70.4 | 72.6 | 73.9 | 73.1 | 76.4 | 78.4 | 80.1 | 80.9 | 80.8 | 76.5 | 82.5 | 81.8 | 83.2 | | | | 141.8 | | |
| OVERALL CALCULATED | 8000 | 66.0 | 67.2 | 68.6 | 69.3 | 69.6 | 74.8 | 75.8 | 78.6 | 78.1 | 80.2 | 77.3 | 84.8 | 84.0 | 85.8 | | | | 143.6 | | |
| PND8 | 10000 | 67.0 | 65.6 | 65.9 | 67.2 | 68.4 | 76.5 | 77.1 | 79.0 | 77.4 | 82.7 | 78.7 | 87.2 | 87.0 | 87.7 | | | | 148.4 | | |
| | | 97.5 | 100.2 | 101.4 | 102.0 | 102.8 | 103.7 | 104.7 | 107.1 | 108.9 | 109.7 | 109.7 | 112.1 | 113.8 | 113.3 | | | | 167.4 | | |
| | | 105.4 | 110.5 | 112.1 | 112.7 | 113.4 | 114.6 | 115.8 | 118.3 | 120.0 | 119.6 | 116.4 | 115.9 | 115.4 | 115.2 | | | | | | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM., DAY) | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| REV, ALPHA 12/73 | FREQ. | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, |
| | | | | | | | | | | | | | | | | | | |
| | 50 | 82.3 | 62.1 | 64.5 | 67.5 | 69.5 | 69.7 | 71.2 | 73.5 | 75.4 | 78.1 | 76.7 | 82.5 | 84.4 | 79.6 | | | |
| NO EGA | 63 | 83.9 | 66.2 | 68.2 | 67.3 | 68.7 | 70.8 | 72.5 | 74.6 | 75.7 | 77.0 | 79.4 | 84.0 | 84.1 | 79.4 | | | |
| SIDELINE 2400, FY, | 80 | 84.0 | 66.5 | 67.8 | 67.4 | 69.7 | 69.9 | 72.1 | 74.2 | 76.4 | 76.9 | 79.8 | 82.8 | 83.4 | 81.0 | | | |
| (731.52 M) | 100 | 82.5 | 65.3 | 66.7 | 68.9 | 70.1 | 71.1 | 72.1 | 74.7 | 75.9 | 79.2 | 81.2 | 81.7 | 79.8 | 76.4 | | | |
| NFA 0, RPM | 125 | 82.5 | 63.2 | 67.2 | 68.2 | 69.6 | 71.2 | 72.8 | 74.3 | 76.2 | 79.2 | 79.6 | 78.5 | 75.3 | 70.9 | | | |
| (0, RAD/SEC) | 160 | 60.7 | 64.1 | 66.4 | 68.0 | 69.2 | 70.8 | 72.7 | 74.6 | 74.9 | 78.1 | 79.9 | 78.6 | 72.4 | 66.8 | | | |
| NFK 0, RPM | 200 | 59.7 | 64.2 | 65.8 | 67.8 | 69.1 | 70.8 | 72.4 | 73.8 | 74.2 | 76.8 | 78.0 | 75.1 | 69.3 | 63.0 | | | |
| (0, RAD/SEC) | 250 | 60.5 | 62.8 | 65.2 | 68.5 | 69.9 | 71.0 | 71.8 | 72.9 | 73.9 | 75.8 | 76.1 | 73.9 | 67.5 | 62.1 | | | |
| NFD 0, RPM | 315 | 58.7 | 62.9 | 65.4 | 66.3 | 68.3 | 70.1 | 71.0 | 72.8 | 73.7 | 74.7 | 74.2 | 71.6 | 64.6 | 58.6 | | | |
| (0, RAD/SEC) | 400 | 57.2 | 62.6 | 65.4 | 67.1 | 69.0 | 69.8 | 71.6 | 73.0 | 73.5 | 74.2 | 72.5 | 70.1 | 63.5 | 58.5 | | | |
| AIRFLOW RATIO | 500 | 55.7 | 61.9 | 64.2 | 67.3 | 69.0 | 70.7 | 71.6 | 73.8 | 74.7 | 73.9 | 71.0 | 67.8 | 61.6 | 55.1 | | | |
| WF/WM 8.00 | 630 | 55.2 | 62.1 | 65.5 | 67.6 | 70.0 | 72.0 | 73.4 | 74.7 | 76.3 | 75.8 | 70.4 | 67.2 | 60.4 | 53.7 | | | |
| | 800 | 54.8 | 65.1 | 69.2 | 71.6 | 73.3 | 74.4 | 73.8 | 75.6 | 77.7 | 76.1 | 70.1 | 67.0 | 61.4 | 54.5 | | | |
| VEHICLE JENOTS | 1000 | 52.3 | 61.4 | 65.0 | 68.9 | 70.9 | 72.8 | 73.6 | 75.4 | 76.9 | 76.5 | 69.4 | 65.1 | 58.0 | 49.9 | | | |
| CONFIG JE-057 | 1250 | 51.9 | 61.7 | 65.6 | 68.6 | 70.7 | 72.0 | 72.8 | 75.7 | 77.1 | 76.3 | 68.8 | 63.5 | 57.8 | 48.7 | | | |
| LOC EVENDALE | 1600 | 49.7 | 61.2 | 66.2 | 67.9 | 69.5 | 70.7 | 72.0 | 74.8 | 75.8 | 74.0 | 66.7 | 60.9 | 54.9 | 45.2 | | | |
| DATE 04-29-75 | 2000 | 44.6 | 57.3 | 62.7 | 65.1 | 67.4 | 69.2 | 70.1 | 73.1 | 73.6 | 70.6 | 63.4 | 57.6 | 51.1 | 39.5 | | | |
| RUN DBTF-MODEL 6 | 2500 | 37.1 | 50.3 | 55.9 | 59.8 | 62.3 | 63.9 | 66.6 | 69.1 | 70.3 | 66.7 | 59.1 | 52.0 | 43.6 | 30.3 | | | |
| TAPE X60230 | 3150 | 28.2 | 44.1 | 50.7 | 54.4 | 55.8 | 58.8 | 60.8 | 63.2 | 63.9 | 60.6 | 51.7 | 44.6 | 35.4 | 18.9 | | | |
| FAN TIP SPEED | 4000 | 23.8 | 31.0 | 40.0 | 44.8 | 47.0 | 50.1 | 52.9 | 54.4 | 54.2 | 50.8 | 42.3 | 34.0 | 22.7 | 1.9 | | | |
| FT/SEC | 5000 | 4.5 | 23.0 | 32.0 | 37.6 | 39.9 | 43.6 | 45.8 | 47.2 | 47.4 | 43.3 | 33.9 | 27.8 | 15.5 | | | | |
| | 6300 | | 9.1 | 16.6 | 23.6 | 26.3 | 31.5 | 34.1 | 35.2 | 34.1 | 30.4 | 20.5 | 17.2 | 0.6 | | | | |
| | 8000 | | | | 4.5 | 9.6 | 17.5 | 19.3 | 21.3 | 18.1 | 15.5 | 4.7 | | | | | | |
| | 10000 | | | | | | 1.8 | 3.5 | 4.3 | | | | | | | | | |
| OVERALL CALCULATED | | 72.1 | 75.8 | 78.6 | 80.5 | 82.2 | 83.6 | 84.7 | 86.7 | 88.0 | 88.9 | 88.8 | 90.1 | 89.6 | 85.7 | | | |
| PND8 | | 72.9 | 80.9 | 85.2 | 87.4 | 89.2 | 90.9 | 92.1 | 94.5 | 95.5 | 94.7 | 91.1 | 89.6 | 86.2 | 81.1 | | | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 1997 | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|------|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|----------|------|-------|-----|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | |
| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | | 50 | 89.9 | 87.2 | 88.3 | 89.7 | 91.2 | 92.0 | 93.6 | 95.6 | 97.3 | 101.1 | 101.3 | 107.8 | 112.2 | 109.9 | | | | 161.6 | |
| | NO EGA | 63 | 92.1 | 91.6 | 92.3 | 90.5 | 91.5 | 92.9 | 94.7 | 97.0 | 98.7 | 100.7 | 103.5 | 109.9 | 111.8 | 111.6 | | | | 162.5 | |
| | RDG. NO. 0 | 80 | 92.6 | 92.0 | 92.2 | 90.7 | 92.0 | 92.3 | 95.1 | 97.1 | 99.4 | 101.2 | 104.7 | 108.3 | 111.9 | 113.6 | | | | 162.9 | |
| | RADIAL 320. FT. | 100 | 91.2 | 91.7 | 91.6 | 92.5 | 93.5 | 93.8 | 95.2 | 98.4 | 99.3 | 103.8 | 106.0 | 108.0 | 108.5 | 108.7 | | | | 161.3 | |
| | (98. M) | 125 | 91.6 | 89.9 | 91.5 | 91.7 | 92.3 | 93.7 | 95.9 | 97.8 | 99.4 | 103.3 | 105.0 | 105.4 | 105.1 | 104.2 | | | | 159.4 | |
| | VEHICLE JENOTS | 160 | 89.7 | 90.7 | 91.4 | 91.8 | 92.7 | 93.9 | 95.9 | 97.4 | 98.9 | 102.9 | 105.3 | 105.0 | 102.4 | 100.7 | | | | 158.8 | |
| | CONFIG JE-057 | 200 | 89.8 | 91.0 | 91.2 | 92.0 | 93.3 | 94.2 | 96.0 | 97.5 | 99.1 | 102.3 | 104.1 | 102.7 | 99.6 | 98.2 | | | | 157.8 | |
| | LDC EVENDALE | 250 | 90.8 | 90.6 | 90.3 | 92.9 | 93.5 | 94.6 | 95.5 | 98.1 | 98.7 | 101.4 | 103.2 | 102.3 | 99.4 | 98.0 | | | | 157.4 | |
| | DATE 04-29-75 | 315 | 89.8 | 90.6 | 91.5 | 91.0 | 92.6 | 93.7 | 95.0 | 97.4 | 99.0 | 101.1 | 101.8 | 101.7 | 98.7 | 96.0 | | | | 156.7 | |
| | RUN DBTF-MODEL 8 | 400 | 89.1 | 91.2 | 91.3 | 92.0 | 93.1 | 94.1 | 95.0 | 97.7 | 99.1 | 100.6 | 100.9 | 101.1 | 98.8 | 96.9 | | | | 156.6 | |
| | TAPE X60250 | 500 | 87.5 | 90.0 | 91.3 | 92.1 | 93.2 | 95.1 | 95.4 | 98.0 | 99.8 | 99.9 | 100.3 | 100.1 | 97.8 | 95.5 | | | | 156.4 | |
| | BAR 29.6 HG | 630 | 87.5 | 90.0 | 91.4 | 92.6 | 93.3 | 95.9 | 96.6 | 98.8 | 101.6 | 100.5 | 100.0 | 100.7 | 97.5 | 94.6 | | | | 157.1 | |
| | (01039. N/M2) | 800 | 87.3 | 91.2 | 92.1 | 94.2 | 95.7 | 97.3 | 97.4 | 98.7 | 102.1 | 100.0 | 99.7 | 99.8 | 96.9 | 93.4 | | | | 157.4 | |
| | TAMB 59. DEG F | 1000 | 87.4 | 91.0 | 92.7 | 94.5 | 96.5 | 97.8 | 98.0 | 100.1 | 103.0 | 99.6 | 98.6 | 98.7 | 96.8 | 93.3 | | | | 157.8 | |
| | (288. DEG K) | 1250 | 87.2 | 91.1 | 92.9 | 94.7 | 96.4 | 97.5 | 97.9 | 100.9 | 103.0 | 99.6 | 98.5 | 97.4 | 95.8 | 92.2 | | | | 157.9 | |
| | THET 53. DEG F | 1600 | 86.1 | 90.2 | 92.3 | 94.0 | 95.1 | 97.1 | 98.4 | 101.0 | 102.5 | 99.8 | 97.2 | 95.9 | 94.6 | 90.8 | | | | 157.7 | |
| | (285. DEG K) | 2000 | 84.2 | 88.3 | 90.8 | 92.1 | 94.5 | 96.3 | 97.6 | 100.1 | 100.9 | 98.1 | 96.0 | 94.3 | 91.8 | 88.6 | | | | 156.6 | |
| | HACT 8.91 GH/M3 | 2500 | 82.4 | 87.2 | 88.7 | 90.7 | 92.8 | 94.0 | 95.6 | 98.1 | 99.2 | 96.0 | 93.9 | 91.4 | 89.7 | 85.7 | | | | 154.9 | |
| | (.00891 KG/M3) | 3150 | 80.2 | 85.9 | 87.4 | 89.3 | 90.0 | 92.0 | 93.4 | 95.7 | 96.5 | 93.5 | 90.7 | 88.1 | 86.7 | 83.7 | | | | 152.9 | |
| | FREQ. SHIFT | 4000 | 76.5 | 81.8 | 83.3 | 85.3 | 86.3 | 88.9 | 90.4 | 92.4 | 92.8 | 90.2 | 87.9 | 85.3 | 83.6 | 80.7 | | | | 150.3 | |
| | JET 9 | 5000 | 74.3 | 79.0 | 80.5 | 83.0 | 82.8 | 84.9 | 86.3 | 88.7 | 90.1 | 86.7 | 84.9 | 82.5 | 81.7 | 80.5 | | | | 147.4 | |
| | DIAHETER RATIO | 6300 | 72.7 | 75.9 | 77.1 | 78.9 | 78.8 | 80.9 | 82.7 | 86.8 | 86.9 | 85.3 | 84.8 | 83.5 | 82.3 | 82.2 | | | | 146.4 | |
| | DF/DM 8.00 | 8000 | 73.7 | 74.4 | 75.1 | 76.8 | 76.6 | 77.3 | 79.3 | 86.4 | 86.3 | 86.7 | 86.0 | 85.3 | 84.5 | 84.8 | | | | 148.3 | |
| | | 10000 | 75.0 | 74.9 | 74.2 | 76.2 | 76.2 | 77.0 | 78.3 | 88.0 | 92.9 | 89.7 | 87.7 | 87.7 | 87.0 | 87.2 | | | | 154.2 | |
| | OVERALL CALCULATED | | 102.0 | 103.2 | 104.2 | 105.2 | 106.5 | 107.9 | 109.0 | 111.4 | 113.2 | 113.7 | 114.8 | 116.7 | 118.2 | 117.9 | | | | 171.8 | |
| | PND8 | | 109.4 | 112.6 | 113.9 | 115.4 | 116.9 | 118.4 | 119.7 | 122.3 | 123.6 | 122.2 | 121.4 | 120.9 | 120.3 | 119.5 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 66.1 | 65.6 | 68.3 | 70.7 | 73.0 | 74.2 | 75.9 | 77.8 | 79.1 | 82.1 | 81.2 | 86.2 | 88.4 | 82.6 | | |
| SIDELINE 2400. FT. | 63 | 88.1 | 69.9 | 72.2 | 71.5 | 73.2 | 75.0 | 77.0 | 79.1 | 80.4 | 81.7 | 83.4 | 88.2 | 87.9 | 84.1 | | |
| (731.52 M) | 80 | 88.5 | 70.2 | 72.1 | 71.7 | 73.7 | 74.4 | 77.4 | 79.2 | 81.1 | 82.2 | 84.6 | 86.6 | 87.9 | 86.0 | | |
| NFA | 100 | 67.0 | 69.8 | 71.4 | 73.4 | 75.1 | 75.8 | 77.4 | 80.4 | 80.9 | 84.7 | 85.7 | 86.2 | 84.3 | 80.9 | | |
| (0. RPM | 125 | 67.2 | 67.9 | 71.2 | 72.5 | 73.8 | 75.7 | 78.0 | 79.8 | 80.9 | 84.2 | 84.6 | 83.5 | 80.8 | 76.2 | | |
| (0. RAD/SEC) | 160 | 65.2 | 68.6 | 70.9 | 72.5 | 74.2 | 75.8 | 77.9 | 79.3 | 80.4 | 83.6 | 84.9 | 82.9 | 77.9 | 72.3 | | |
| NFK | 200 | 65.0 | 68.7 | 70.5 | 72.5 | 74.6 | 76.0 | 77.9 | 79.3 | 80.4 | 82.8 | 83.5 | 80.4 | 74.8 | 69.5 | | |
| (0. RAD/SEC) | 250 | 65.7 | 68.0 | 69.5 | 73.3 | 74.6 | 76.2 | 77.3 | 79.7 | 79.9 | 81.8 | 82.3 | 79.7 | 74.2 | 68.8 | | |
| NFD | 315 | 64.2 | 67.7 | 70.4 | 71.1 | 73.5 | 75.1 | 76.5 | 78.8 | 80.0 | 81.2 | 80.7 | 78.8 | 73.1 | 66.1 | | |
| (0. RAD/SEC) | 400 | 63.0 | 67.9 | 69.9 | 71.8 | 73.8 | 75.3 | 76.3 | 78.8 | 79.7 | 80.5 | 79.5 | 77.8 | 72.7 | 66.2 | | |
| AIRFLOW RATIO | 500 | 60.7 | 66.2 | 69.4 | 71.6 | 73.5 | 75.9 | 76.4 | 78.8 | 80.2 | 79.4 | 78.5 | 76.3 | 71.1 | 63.9 | | |
| WF/WM 8.00 | 630 | 59.9 | 65.6 | 69.0 | 71.6 | 73.2 | 76.3 | 77.2 | 79.2 | 81.5 | 79.5 | 77.6 | 76.2 | 69.9 | 61.7 | | |
| | 800 | 58.6 | 65.8 | 69.0 | 72.6 | 75.1 | 77.2 | 77.5 | 78.6 | 81.5 | 78.4 | 76.6 | 74.5 | 68.2 | 58.8 | | |
| VEHICLE JENOTS | 1000 | 57.3 | 64.6 | 68.8 | 72.1 | 75.2 | 77.1 | 77.4 | 79.4 | 81.6 | 77.3 | 74.7 | 72.3 | 66.7 | 56.7 | | |
| CONFIG JE-057 | 1250 | 55.4 | 63.5 | 67.9 | 71.4 | 74.2 | 76.0 | 76.6 | 78.4 | 80.9 | 76.3 | 73.5 | 69.7 | 64.0 | 53.0 | | |
| LOC EVENDALE | 1600 | 51.9 | 60.7 | 65.7 | 69.4 | 71.8 | 74.4 | 76.0 | 78.3 | 79.1 | 75.2 | 70.7 | 66.4 | 60.4 | 48.0 | | |
| DATE 04-29-75 | 2000 | 47.1 | 58.6 | 62.4 | 65.9 | 69.7 | 72.2 | 73.8 | 76.1 | 76.1 | 71.9 | 67.6 | 62.6 | 54.6 | 41.5 | | |
| RUN DBTF-MODEL 8 | 2500 | 41.1 | 52.3 | 57.7 | 62.3 | 65.8 | 67.9 | 69.8 | 72.1 | 72.3 | 67.5 | 62.9 | 56.5 | 48.4 | 32.3 | | |
| TAPE X60250 | 3150 | 32.2 | 45.9 | 52.2 | 57.1 | 59.8 | 62.8 | 64.5 | 66.5 | 66.2 | 61.3 | 55.5 | 48.1 | 38.7 | 20.2 | | |
| FAN TIP SPEED | 4000 | 18.3 | 34.0 | 41.8 | 47.6 | 51.0 | 54.9 | 56.9 | 58.4 | 57.5 | 52.6 | 46.3 | 37.5 | 25.4 | 2.1 | | |
| FT/SEC | 5000 | 10.3 | 26.8 | 35.2 | 42.1 | 44.6 | 48.1 | 50.0 | 52.0 | 51.9 | 45.8 | 39.6 | 30.3 | 17.7 | | | |
| | 6300 | | 16.6 | 21.1 | 28.6 | 32.0 | 36.0 | 38.4 | 42.0 | 40.1 | 34.9 | 28.7 | 18.2 | 1.1 | | | |
| | 8000 | | | 2.5 | 12.0 | 16.6 | 20.0 | 22.8 | 29.0 | 26.4 | 22.0 | 13.4 | | | | | |
| | 10000 | | | | | 2.3 | 4.7 | 13.3 | 14.6 | 4.8 | | | | | | | |
| OVERALL CALCULATED | | 76.7 | 78.6 | 82.2 | 84.1 | 86.2 | 88.0 | 89.3 | 91.4 | 92.7 | 93.5 | 93.9 | 94.5 | 94.0 | 90.2 | | |
| PNDB | | 78.0 | 83.4 | 87.1 | 90.2 | 92.7 | 95.0 | 96.4 | 98.7 | 99.6 | 97.7 | 96.6 | 95.0 | 92.2 | 87.1 | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHI | | |
|---------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-------|
| SPL INPUT AT BTU | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | | |
| REV: ALPHA 12673 | | FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | PHI |
| NO EGA | | 50 | 76.9 | 74.3 | 76.1 | 77.7 | 79.2 | 79.2 | 79.8 | 81.1 | 82.6 | 84.8 | 86.2 | 89.3 | 92.5 | 92.1 | | | | 143.8 |
| BDG: NO. 01 | | 53 | 76.1 | 76.8 | 78.6 | 77.8 | 78.7 | 79.4 | 81.0 | 81.7 | 83.4 | 84.7 | 86.2 | 89.3 | 92.1 | 92.6 | | | | 145.2 |
| RADIAL 320, FY | | 80 | 77.3 | 79.0 | 80.0 | 78.2 | 79.7 | 79.8 | 81.1 | 83.1 | 83.9 | 84.2 | 85.2 | 89.3 | 90.7 | 94.6 | | | | 144.5 |
| 2 98, MI | | 100 | 78.0 | 78.9 | 79.1 | 79.8 | 80.5 | 80.0 | 81.2 | 83.6 | 84.0 | 87.0 | 89.0 | 90.5 | 90.2 | 92.2 | | | | 144.8 |
| VEHICLE JENDTS | | 125 | 79.1 | 77.4 | 80.0 | 80.2 | 80.8 | 81.9 | 82.4 | 83.3 | 83.9 | 86.6 | 86.7 | 88.7 | 89.1 | 87.4 | | | | 143.7 |
| GONFIG JE#057 | | 150 | 78.0 | 78.7 | 80.1 | 80.3 | 80.5 | 81.2 | 82.9 | 83.7 | 83.3 | 85.9 | 87.1 | 89.2 | 87.4 | 84.2 | | | | 143.4 |
| LOC EVENDALE | | 200 | 77.5 | 79.7 | 80.7 | 80.7 | 80.8 | 82.0 | 83.8 | 83.7 | 83.3 | 85.8 | 86.6 | 87.5 | 84.6 | 82.2 | | | | 142.8 |
| DATE 04-29-75 | | 250 | 79.3 | 79.3 | 80.3 | 81.7 | 81.7 | 82.6 | 82.5 | 83.6 | 83.7 | 85.4 | 86.4 | 86.5 | 85.8 | 82.0 | | | | 142.7 |
| BUN DBTF=MODEL 6 | | 325 | 78.8 | 80.3 | 81.2 | 80.9 | 81.3 | 82.4 | 82.9 | 83.9 | 84.5 | 85.8 | 86.0 | 85.7 | 81.6 | 79.7 | | | | 142.7 |
| TAPE X60320 | | 400 | 78.0 | 81.6 | 82.5 | 83.2 | 84.3 | 84.8 | 84.5 | 85.6 | 85.3 | 87.4 | 86.7 | 85.4 | 81.8 | 80.9 | | | | 144.0 |
| BAR 2912 HG | | 500 | 77.9 | 82.7 | 83.5 | 84.8 | 85.1 | 86.3 | 86.6 | 87.4 | 87.8 | 89.4 | 88.0 | 85.0 | 81.8 | 80.5 | | | | 145.6 |
| #98538, N/42 | | 600 | 78.2 | 83.0 | 84.3 | 84.8 | 85.5 | 86.3 | 86.8 | 88.0 | 88.3 | 90.2 | 89.2 | 85.6 | 82.0 | 82.1 | | | | 146.2 |
| YAMB 73, DEG F | | 800 | 78.5 | 83.8 | 85.3 | 85.4 | 85.4 | 85.7 | 86.4 | 87.6 | 87.8 | 89.2 | 88.9 | 85.2 | 82.6 | 83.1 | | | | 146.0 |
| (298, DEG K) | | 1000 | 76.5 | 81.8 | 83.4 | 83.8 | 84.3 | 85.7 | 85.1 | 88.0 | 88.8 | 90.8 | 87.2 | 84.0 | 81.2 | 81.0 | | | | 145.7 |
| THET 60, DEG F | | 1250 | 76.2 | 82.1 | 84.1 | 84.2 | 84.7 | 84.8 | 84.9 | 87.5 | 88.8 | 91.4 | 88.6 | 83.7 | 81.1 | 81.2 | | | | 146.2 |
| (287, DEG K) | | 1600 | 75.9 | 84.1 | 84.8 | 84.5 | 84.1 | 84.1 | 84.4 | 86.8 | 88.2 | 90.0 | 87.7 | 82.9 | 81.8 | 81.7 | | | | 145.8 |
| WAST 0, GN/M3 | | 2000 | 76.1 | 85.2 | 84.2 | 83.0 | 83.4 | 83.2 | 82.8 | 84.8 | 86.3 | 89.2 | 87.6 | 82.2 | 81.7 | 81.8 | | | | 145.1 |
| 61 KG/M3 | | 2500 | 72.8 | 81.4 | 81.6 | 80.6 | 79.6 | 79.3 | 79.7 | 81.5 | 83.8 | 86.3 | 84.2 | 79.0 | 78.8 | 78.8 | | | | 142.3 |
| FREQ: SHIFT | | 3120 | 70.3 | 79.3 | 80.5 | 79.1 | 77.4 | 76.1 | 76.8 | 78.3 | 79.8 | 82.4 | 79.6 | 76.5 | 78.1 | 78.5 | | | | 139.8 |
| JET 9 | | 4000 | 65.8 | 74.8 | 75.7 | 74.9 | 72.4 | 72.5 | 72.6 | 74.5 | 75.4 | 77.9 | 75.5 | 72.9 | 73.7 | 73.3 | | | | 136.2 |
| DIAMETER RATIO | | 5000 | 62.7 | 69.6 | 70.6 | 70.4 | 67.8 | 68.8 | 69.5 | 69.7 | 70.3 | 73.3 | 69.8 | 67.2 | 68.4 | 67.6 | | | | 131.6 |
| BT/DM 8.00 | | 6300 | 62.2 | 65.4 | 65.9 | 65.7 | 63.1 | 63.1 | 65.9 | 66.6 | 65.3 | 71.5 | 65.5 | 66.2 | 68.0 | 68.1 | | | | 129.8 |
| OVERALL CALCULATION | | 8000 | 63.8 | 64.7 | 64.4 | 65.6 | 66.4 | 66.1 | 66.6 | 67.2 | 63.6 | 73.8 | 64.8 | 67.0 | 67.2 | 67.1 | | | | 132.4 |
| PNRR | | 10000 | 66.2 | 65.2 | 64.8 | 66.6 | 68.3 | 68.4 | 68.5 | 69.7 | 64.8 | 75.8 | 66.9 | 69.4 | 67.4 | 68.4 | | | | 137.1 |
| | | | 78.2 | 74.1 | 75.1 | 75.1 | 75.5 | 76.0 | 76.4 | 77.9 | 78.6 | 80.0 | 79.8 | 79.9 | 79.6 | 80.6 | | | | 157.4 |
| | | | 79.2 | 75.7 | 75.7 | 75.3 | 75.4 | 75.5 | 75.6 | 77.3 | 78.3 | 79.7 | 79.3 | 78.3 | 78.7 | 78.8 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (30' DEG. F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|
| | | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 0' | 0' |
| SPL INPUT AT STD | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) |
| BEV: ALRHA 12478 | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 |
| NO EGA | 83 | 53.1 | 52.9 | 56.0 | 58.7 | 60.9 | 61.4 | 62.2 | 63.3 | 64.3 | 65.2 | 65.7 | 66.1 | 67.0 | 68.6 | 64.8 | |
| SIDELINE 24000 FT | 80 | 53.8 | 57.2 | 59.8 | 59.2 | 61.4 | 61.9 | 64.4 | 65.2 | 65.6 | 65.2 | 65.1 | 67.6 | 68.6 | 67.0 | | |
| 1731.52 M) | 100 | 53.8 | 57.2 | 59.8 | 60.7 | 62.1 | 62.1 | 63.4 | 63.7 | 65.7 | 65.7 | 67.9 | 68.7 | 68.7 | 68.0 | 64.4 | |
| DEA 0 RPM | 125 | 54.7 | 55.7 | 59.7 | 61.0 | 62.3 | 63.9 | 64.3 | 65.3 | 65.4 | 67.4 | 67.4 | 66.4 | 66.7 | 64.8 | 59.4 | |
| (0 RAD/SEC) | 150 | 58.4 | 56.8 | 59.6 | 61.0 | 61.9 | 63.1 | 64.9 | 65.6 | 64.9 | 66.6 | 66.6 | 66.6 | 67.1 | 62.9 | 55.8 | |
| NFK 0 RPM | 200 | 52.7 | 57.4 | 60.0 | 61.3 | 62.1 | 63.8 | 64.9 | 65.5 | 64.6 | 66.3 | 66.3 | 66.0 | 65.1 | 59.8 | 53.5 | |
| (0 RAD/SEC) | 250 | 54.2 | 56.8 | 59.4 | 62.0 | 62.9 | 64.2 | 64.3 | 65.2 | 64.9 | 65.7 | 65.6 | 63.9 | 58.7 | 52.8 | | |
| NFR 0 RPM | 315 | 53.2 | 57.4 | 60.1 | 61.1 | 62.3 | 63.8 | 64.3 | 65.3 | 65.8 | 65.9 | 64.9 | 62.8 | 56.1 | 49.9 | | |
| (0 RAD/SEC) | 400 | 53.9 | 58.3 | 61.1 | 63.0 | 63.0 | 63.8 | 65.8 | 66.8 | 66.0 | 67.2 | 65.2 | 62.1 | 55.7 | 50.2 | | |
| AIRFLOW RATIO | 500 | 53.1 | 58.9 | 61.6 | 64.3 | 65.5 | 67.1 | 67.6 | 68.3 | 68.1 | 68.9 | 66.2 | 61.2 | 55.0 | 48.8 | | |
| WF/WH 8.00 | 630 | 50.8 | 58.5 | 61.9 | 63.8 | 65.4 | 68.7 | 67.4 | 68.4 | 68.2 | 69.2 | 66.8 | 61.1 | 54.4 | 49.1 | | |
| | 800 | 59.7 | 58.5 | 62.1 | 63.7 | 64.7 | 65.6 | 66.3 | 67.5 | 66.9 | 67.6 | 65.8 | 59.9 | 53.8 | 48.4 | | |
| VEHICLE JENOTS | 1000 | 56.4 | 55.8 | 59.4 | 61.5 | 63.0 | 64.9 | 64.3 | 67.3 | 67.3 | 67.6 | 63.3 | 57.7 | 51.1 | 44.3 | | |
| SONFIG JENOTS | 1250 | 54.8 | 54.5 | 59.1 | 60.9 | 62.5 | 63.3 | 65.6 | 65.9 | 66.7 | 68.1 | 63.6 | 56.0 | 49.3 | 42.0 | | |
| LOG EVENDALE | 1600 | 51.8 | 54.7 | 58.2 | 59.8 | 60.7 | 61.4 | 61.9 | 64.1 | 64.8 | 65.4 | 61.2 | 53.4 | 47.6 | 38.9 | | |
| DATE 04-29-75 | 2000 | 59.0 | 53.5 | 55.8 | 56.8 | 58.6 | 59.1 | 59.0 | 60.7 | 61.9 | 63.0 | 59.3 | 50.5 | 44.6 | 34.6 | | |
| BUN DRYF=MODEL 6 | 2500 | 51.5 | 46.5 | 50.6 | 52.1 | 52.7 | 53.3 | 58.9 | 55.4 | 56.9 | 57.8 | 53.3 | 44.1 | 38.5 | 28.4 | | |
| TAPE X60320 | 3120 | 52.3 | 59.2 | 45.3 | 47.0 | 47.1 | 46.9 | 43.9 | 49.1 | 49.8 | 50.2 | 44.3 | 36.4 | 30.0 | 18.0 | | |
| MAN TIP SPEED | 4000 | 7.7 | 26.9 | 34.1 | 37.2 | 37.1 | 38.5 | 39.0 | 40.5 | 40.1 | 40.2 | 34.0 | 25.2 | 15.5 | | | |
| FT/SBC | 5000 | | 17.5 | 25.4 | 29.5 | 29.5 | 30.0 | 31.2 | 32.9 | 32.1 | 32.4 | 24.5 | 15.0 | 4.4 | | | |
| | 6300 | | 0.1 | 9.8 | 25.3 | 18.3 | 20.2 | 21.6 | 21.7 | 18.5 | 21.2 | 9.5 | 0.9 | | | | |
| | 8000 | | | | 0.8 | 6.4 | 8.8 | 18.1 | 9.8 | 3.7 | 8.3 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 54.1 | 52.8 | 72.2 | 73.8 | 75.2 | 76.3 | 79.5 | 78.2 | 78.2 | 79.8 | 77.7 | 77.3 | 75.0 | 72.5 | | |
| PNEB | | 56.2 | 74.9 | 78.2 | 80.0 | 81.2 | 82.1 | 82.7 | 84.3 | 84.6 | 85.5 | 82.4 | 78.3 | 72.9 | 67.9 | | |

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | PROC. DATE 8 MONTH 27 DAY 0 HR 06.6 | | | | | | | | | | | | | | | | | | |
|---|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG F, 70 PERCENT REL, WUG, DAY - JENOTS) | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | PWL | |
| BEV, ALPHA 12278 | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | | |
| NO EGA | 20 | 81.4 | 79.5 | 80.3 | 82.7 | 84.2 | 84.2 | 85.1 | 87.1 | 88.6 | 91.3 | 89.8 | 96.3 | 99.2 | 97.9 | | | | 150.2 | |
| RDG, NO. 0 | 33 | 82.1 | 82.8 | 84.1 | 82.8 | 84.2 | 86.1 | 87.2 | 88.5 | 90.2 | 91.7 | 93.7 | 98.9 | 98.8 | 98.8 | | | | 151.4 | |
| RADIAL 320, FT. | 40 | 82.6 | 84.0 | 85.0 | 83.5 | 85.2 | 89.0 | 87.4 | 88.9 | 90.2 | 91.7 | 93.7 | 97.3 | 98.2 | 99.8 | | | | 151.2 | |
| 1 98, M) | 100 | 82.7 | 84.4 | 84.6 | 85.5 | 86.3 | 89.8 | 87.4 | 89.9 | 91.0 | 94.3 | 96.5 | 97.3 | 96.7 | 96.7 | | | | 151.4 | |
| VEHICLE JENOTS | 125 | 84.3 | 83.4 | 85.5 | 85.7 | 86.3 | 87.2 | 88.4 | 89.6 | 90.9 | 93.8 | 95.2 | 95.9 | 94.4 | 92.7 | | | | 150.3 | |
| CONFIG JE#057 | 150 | 83.7 | 84.4 | 85.4 | 86.0 | 86.7 | 86.9 | 88.9 | 90.2 | 90.9 | 93.9 | 95.6 | 96.5 | 93.2 | 90.7 | | | | 150.4 | |
| LOC EVENDALE | 200 | 83.3 | 85.2 | 85.7 | 86.5 | 87.3 | 88.0 | 89.0 | 90.5 | 91.1 | 93.5 | 94.8 | 95.0 | 92.1 | 89.2 | | | | 150.0 | |
| DATE 04-29-75 | 250 | 85.3 | 84.8 | 85.0 | 87.4 | 88.2 | 88.6 | 88.8 | 90.6 | 91.0 | 94.1 | 95.2 | 94.5 | 91.3 | 89.5 | | | | 150.2 | |
| RUN DBTF=MODEL 6 | 325 | 84.3 | 86.0 | 86.5 | 86.4 | 87.1 | 88.7 | 89.2 | 90.6 | 92.3 | 94.6 | 93.5 | 93.7 | 89.9 | 88.2 | | | | 150.0 | |
| YARE X60340 | 400 | 83.8 | 87.1 | 87.8 | 88.7 | 89.3 | 90.3 | 90.3 | 91.6 | 93.0 | 96.4 | 93.9 | 93.4 | 90.3 | 88.1 | | | | 151.0 | |
| BAR 29.2 HG | 500 | 83.2 | 87.4 | 88.7 | 90.0 | 90.4 | 91.6 | 91.9 | 93.9 | 94.0 | 96.9 | 93.3 | 92.0 | 89.3 | 88.0 | | | | 151.8 | |
| 198536, N(M2) | 630 | 85.2 | 90.5 | 92.3 | 92.3 | 93.0 | 93.6 | 94.0 | 95.2 | 96.3 | 98.7 | 93.9 | 93.1 | 90.7 | 89.8 | | | | 153.7 | |
| YARB 73, DEG F | 800 | 88.2 | 94.6 | 99.5 | 98.4 | 96.9 | 97.5 | 96.1 | 97.1 | 97.8 | 100.2 | 94.9 | 95.2 | 96.1 | 94.6 | | | | 156.8 | |
| (296, DEG K) | 1000 | 84.5 | 91.3 | 91.6 | 93.3 | 94.1 | 94.9 | 94.8 | 96.5 | 97.1 | 100.0 | 94.7 | 92.3 | 90.5 | 89.7 | | | | 154.8 | |
| THET 80, DEG F | 1250 | 84.4 | 91.6 | 92.4 | 93.2 | 93.7 | 95.1 | 94.2 | 97.2 | 98.3 | 100.6 | 95.1 | 92.4 | 90.4 | 90.2 | | | | 155.3 | |
| (289, DEG K) | 1600 | 84.9 | 90.9 | 92.8 | 93.5 | 94.6 | 94.6 | 94.9 | 96.5 | 97.9 | 100.0 | 94.4 | 91.6 | 89.6 | 90.0 | | | | 155.2 | |
| WAST 0, GM/M3 | 2000 | 82.4 | 89.4 | 89.9 | 91.0 | 91.9 | 93.2 | 94.1 | 96.3 | 97.1 | 97.2 | 92.9 | 89.7 | 87.4 | 85.8 | | | | 153.8 | |
| 1 KG/M3 | 2500 | 81.8 | 89.1 | 89.6 | 91.1 | 91.6 | 91.8 | 93.2 | 94.0 | 95.1 | 95.1 | 90.7 | 87.5 | 85.5 | 85.1 | | | | 152.5 | |
| FREQ, SWIFT | 3120 | 79.8 | 87.3 | 88.5 | 90.1 | 90.1 | 91.1 | 91.8 | 92.6 | 93.1 | 92.6 | 88.1 | 85.2 | 83.8 | 82.0 | | | | 151.4 | |
| JET 9 | 4000 | 75.8 | 83.4 | 84.7 | 86.4 | 86.7 | 88.7 | 89.8 | 89.8 | 88.9 | 89.1 | 85.3 | 82.9 | 80.7 | 77.8 | | | | 149.0 | |
| DIAMETER RATIO | 5000 | 72.4 | 78.6 | 80.4 | 82.4 | 83.0 | 85.3 | 86.2 | 85.8 | 85.1 | 81.3 | 78.4 | 77.1 | 75.1 | | | | | 145.4 | |
| SP/CM 5.00 | 6300 | 67.9 | 73.6 | 74.9 | 76.9 | 78.1 | 79.4 | 80.9 | 82.1 | 81.1 | 83.0 | 77.5 | 76.7 | 75.6 | 74.6 | | | | 142.6 | |
| OVERALL CALCULATED | 8000 | 67.0 | 68.7 | 70.6 | 72.1 | 77.1 | 76.9 | 79.9 | 79.2 | 77.4 | 83.8 | 75.1 | 76.8 | 76.7 | 76.3 | | | | 142.6 | |
| PNRB | 10000 | 67.9 | 66.3 | 66.3 | 68.3 | 77.6 | 77.9 | 78.8 | 78.7 | 75.6 | 85.1 | 76.9 | 79.2 | 78.7 | 78.6 | | | | 146.2 | |
| | | 106.8 | 101.5 | 103.6 | 103.8 | 104.0 | 104.8 | 105.0 | 106.6 | 107.4 | 109.6 | 106.9 | 107.4 | 106.8 | 106.3 | | | | 165.7 | |
| | | 106.8 | 112.2 | 113.3 | 114.4 | 115.0 | 115.8 | 116.5 | 117.8 | 118.4 | 120.6 | 126.1 | 114.6 | 113.1 | 112.2 | | | | | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (29' DEG, F, 70 PERCENT REL HUM, DAY) | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|-----|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| SPL INPUT AT 9TD | | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 0' | 0' | 0' |
| REV, ALRHA-12/73 | | FREQ (0.52) | (0.78) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) |
| NO EGA | | 50 | 37.6 | 37.9 | 60.3 | 63.7 | 65.9 | 66.4 | 67.4 | 69.3 | 70.3 | 72.4 | 69.7 | 74.7 | 75.4 | 70.6 | | |
| SIDELINE 24003 FY? | | 80 | 38.5 | 62.2 | 64.8 | 64.4 | 66.9 | 67.1 | 69.6 | 71.0 | 71.9 | 72.4 | 73.6 | 75.6 | 74.1 | 72.2 | | |
| 1731.52 M | | 100 | 38.5 | 62.6 | 64.4 | 66.4 | 67.9 | 67.8 | 69.6 | 71.9 | 72.7 | 75.2 | 76.2 | 75.4 | 72.5 | 68.9 | | |
| RFA 0: RPM | | 120 | 40.0 | 61.4 | 65.2 | 66.5 | 67.8 | 69.2 | 70.5 | 71.6 | 72.3 | 74.7 | 74.9 | 74.0 | 70.0 | 64.7 | | |
| (0: RAD/SEC) | | 150 | 29.2 | 62.3 | 64.9 | 66.7 | 68.2 | 68.8 | 70.9 | 72.1 | 72.4 | 74.6 | 75.1 | 74.4 | 68.6 | 62.3 | | |
| RPM 0: RPM | | 200 | 38.5 | 62.9 | 65.0 | 67.0 | 68.6 | 69.8 | 70.9 | 72.3 | 72.3 | 74.6 | 74.2 | 72.6 | 67.3 | 60.5 | | |
| (0: RAD/SEC) | | 250 | 30.2 | 62.3 | 64.2 | 67.8 | 69.4 | 70.2 | 70.5 | 72.2 | 72.1 | 74.5 | 74.3 | 71.9 | 66.2 | 60.3 | | |
| RPM 0: RPM | | 315 | 38.7 | 63.1 | 65.4 | 66.6 | 68.0 | 70.1 | 70.7 | 72.0 | 73.2 | 74.9 | 74.4 | 70.8 | 64.3 | 58.4 | | |
| (0: RAD/SEC) | | 400 | 37.7 | 63.8 | 66.3 | 68.5 | 70.0 | 71.5 | 71.6 | 72.8 | 73.7 | 76.2 | 76.5 | 70.1 | 64.2 | 57.4 | | |
| AIRFLOW RATIO | | 500 | 36.4 | 63.8 | 66.9 | 69.5 | 70.7 | 72.4 | 72.8 | 74.8 | 74.4 | 76.4 | 71.4 | 68.2 | 62.5 | 56.3 | | |
| WF/W 8.00 | | 600 | 37.8 | 66.0 | 69.9 | 71.3 | 72.9 | 74.0 | 74.6 | 75.7 | 76.2 | 77.7 | 71.5 | 68.6 | 63.1 | 56.9 | | |
| | | 800 | 39.5 | 69.5 | 76.4 | 76.7 | 76.2 | 77.3 | 76.2 | 77.0 | 77.1 | 78.6 | 71.8 | 69.9 | 67.3 | 59.9 | | |
| VEHICLE JENOTS | | 1000 | 34.4 | 65.0 | 67.7 | 71.0 | 72.8 | 74.2 | 74.2 | 75.8 | 75.7 | 77.6 | 70.8 | 65.9 | 60.3 | 53.0 | | |
| EONFIG JEG057 | | 1250 | 32.6 | 64.0 | 67.4 | 69.9 | 71.5 | 73.5 | 72.8 | 75.7 | 76.2 | 77.3 | 70.1 | 64.8 | 58.6 | 51.0 | | |
| LOS EVENDALE | | 1600 | 30.8 | 61.4 | 66.2 | 68.8 | 71.2 | 71.9 | 72.4 | 73.8 | 74.6 | 75.4 | 67.9 | 62.2 | 55.4 | 47.2 | | |
| DATE 04-29-75 | | 2000 | 35.3 | 67.7 | 61.6 | 64.8 | 67.1 | 69.1 | 70.2 | 72.2 | 72.3 | 74.0 | 64.5 | 58.0 | 50.3 | 38.6 | | |
| RUN DBTF=MOBL 6 | | 2500 | 30.2 | 64.2 | 58.6 | 62.6 | 64.7 | 65.8 | 67.4 | 67.9 | 68.2 | 66.6 | 59.8 | 52.6 | 44.2 | 31.7 | | |
| TAPE X60340 | | 3150 | 31.5 | 47.2 | 53.3 | 58.0 | 59.9 | 61.9 | 62.9 | 63.3 | 62.8 | 60.4 | 52.8 | 45.2 | 35.8 | 18.5 | | |
| CAN TIP SPEED | | 4000 | 37.4 | 55.7 | 43.1 | 48.7 | 51.4 | 54.8 | 56.2 | 55.8 | 53.6 | 51.4 | 43.7 | 35.2 | 22.5 | | | |
| FT/SEC | | 5000 | 8.4 | 26.5 | 35.2 | 41.5 | 44.8 | 47.0 | 49.0 | 49.4 | 47.6 | 44.2 | 36.0 | 26.3 | 13.1 | | | |
| | | 6300 | | 8.3 | 18.8 | 26.6 | 31.3 | 34.5 | 36.6 | 37.2 | 34.8 | 32.7 | 21.5 | 11.4 | | | | |
| | | 8000 | | | | 7.3 | 17.2 | 19.5 | 21.3 | 21.8 | 17.4 | 18.3 | 2.5 | | | | | |
| | | 10000 | | | | | | | 3.2 | 4.4 | 4.0 | 0.2 | | | | | | |
| OVERALL CALCULATED | | | 70.8 | 76.8 | 80.2 | 81.7 | 82.8 | 83.1 | 84.4 | 85.9 | 86.3 | 87.9 | 85.1 | 84.7 | 81.8 | 77.8 | | |
| PNR | | | 73.5 | 82.4 | 87.5 | 89.3 | 90.5 | 91.7 | 92.4 | 93.9 | 94.1 | 95.8 | 89.7 | 86.6 | 82.0 | 74.9 | | |

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | PROC: DATE 4 MONTH 18 DAY 0 HR, 0.6
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90 DEG, F, 70 PERCENT REL, HUS, DAY - JENOTS)
ANGLES FROM INLET (IN DEGREES (AND RADIAN)) | | | | | | | | | | | | | | | | | 0, 0, 0, PHL' | | |
|--|------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|---------------|--|--|
| SPL INPUT AT STD | REV, ALPHA 12/79 | FREQ | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | PHL' | | |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | 50 | 80.9 | 78.5 | 79.6 | 81.4 | 82.9 | 82.7 | 83.8 | 86.1 | 87.6 | 90.3 | 89.3 | 95.8 | 96.7 | 98.6 | 149.7 | | | | | | |
| RDB, NO, 0 | 80 | 81.8 | 83.2 | 83.2 | 82.2 | 83.5 | 83.8 | 85.9 | 87.1 | 88.7 | 89.7 | 92.2 | 96.4 | 98.4 | 101.6 | 150.7 | | | | | | |
| RADIAL 320, FY, | 100 | 81.7 | 82.9 | 83.1 | 84.3 | 84.0 | 84.3 | 85.4 | 88.1 | 89.3 | 92.5 | 94.7 | 96.0 | 95.5 | 96.0 | 149.9 | | | | | | |
| 98, M) | 125 | 82.8 | 81.4 | 84.0 | 84.2 | 84.5 | 85.4 | 87.2 | 87.3 | 88.9 | 91.6 | 92.5 | 94.7 | 92.9 | 91.4 | 148.5 | | | | | | |
| VEHICLE JENOTS | 150 | 82.0 | 82.7 | 84.1 | 84.0 | 84.5 | 85.2 | 86.7 | 87.7 | 88.7 | 91.1 | 93.3 | 95.0 | 91.7 | 88.4 | 148.4 | | | | | | |
| CONFIG JE=057 | 200 | 81.0 | 83.7 | 84.2 | 84.2 | 85.1 | 86.0 | 86.8 | 88.2 | 88.3 | 90.9 | 92.8 | 93.2 | 89.6 | 87.0 | 147.8 | | | | | | |
| ECG EVENDALE | 250 | 83.1 | 83.3 | 83.8 | 85.9 | 86.2 | 87.1 | 87.3 | 87.8 | 88.2 | 90.4 | 91.2 | 92.3 | 88.3 | 86.8 | 147.4 | | | | | | |
| DATE 04-29-75 | 315 | 82.5 | 84.5 | 86.0 | 85.9 | 86.3 | 87.4 | 87.7 | 88.9 | 89.8 | 91.1 | 91.0 | 91.4 | 87.4 | 85.5 | 147.8 | | | | | | |
| RUN DBTF=MODEL | 400 | 82.3 | 85.9 | 86.3 | 87.9 | 88.1 | 89.3 | 89.0 | 89.9 | 89.8 | 92.8 | 90.9 | 90.1 | 87.6 | 86.6 | 148.6 | | | | | | |
| TAPE X60360 | 500 | 81.7 | 86.9 | 88.0 | 88.5 | 90.1 | 91.6 | 91.9 | 92.4 | 92.0 | 93.9 | 91.3 | 89.3 | 86.8 | 85.2 | 150.2 | | | | | | |
| RAB 29.2 HG | 650 | 85.0 | 90.5 | 94.1 | 94.3 | 93.5 | 94.1 | 93.5 | 93.7 | 93.5 | 96.0 | 92.4 | 91.8 | 89.7 | 91.3 | 152.9 | | | | | | |
| 98535, N(M2) | 800 | 86.2 | 93.1 | 97.5 | 97.9 | 96.1 | 96.0 | 94.1 | 94.9 | 94.5 | 96.9 | 93.4 | 94.7 | 92.3 | 93.8 | 154.9 | | | | | | |
| YAMB 73, DEG F | 1000 | 83.5 | 89.6 | 90.4 | 91.3 | 91.8 | 92.4 | 92.6 | 93.3 | 93.8 | 96.2 | 92.5 | 90.0 | 88.0 | 88.7 | 151.9 | | | | | | |
| (294, DEG K) | 1250 | 83.4 | 90.4 | 91.1 | 92.0 | 92.2 | 93.8 | 90.9 | 93.2 | 94.8 | 96.4 | 93.1 | 89.7 | 88.6 | 89.7 | 152.3 | | | | | | |
| THEY 60, DEG F | 1600 | 83.1 | 90.1 | 92.3 | 92.7 | 93.1 | 92.6 | 91.9 | 93.5 | 94.2 | 96.0 | 92.2 | 88.9 | 88.6 | 88.5 | 152.6 | | | | | | |
| (289, DEG K) | 2000 | 82.1 | 88.9 | 90.2 | 90.3 | 91.2 | 91.4 | 90.6 | 92.3 | 93.3 | 94.2 | 90.6 | 87.4 | 86.2 | 85.3 | 151.2 | | | | | | |
| WACT 0, GM/H3 | 2500 | 82.3 | 89.8 | 90.6 | 91.1 | 91.6 | 90.8 | 90.9 | 91.0 | 92.3 | 93.3 | 89.2 | 85.7 | 85.3 | 84.1 | 151.0 | | | | | | |
| KG/H3 | 3150 | 80.8 | 88.0 | 89.5 | 91.1 | 90.9 | 91.9 | 91.8 | 90.8 | 90.8 | 90.4 | 86.6 | 83.5 | 83.1 | 82.3 | 150.8 | | | | | | |
| FREQ, SNIFT | 4000 | 75.8 | 83.1 | 84.9 | 86.9 | 87.2 | 87.2 | 89.8 | 89.8 | 88.2 | 87.9 | 84.5 | 80.6 | 79.9 | 77.6 | 148.8 | | | | | | |
| JET 9 | 5000 | 71.9 | 78.6 | 80.4 | 82.2 | 83.0 | 84.3 | 85.3 | 86.4 | 85.8 | 85.3 | 81.3 | 77.9 | 77.1 | 75.4 | 145.5 | | | | | | |
| DIAMETER RATIO | 6300 | 67.4 | 73.1 | 74.9 | 76.9 | 77.8 | 79.6 | 81.1 | 81.3 | 80.8 | 82.7 | 78.2 | 76.2 | 76.0 | 74.6 | 142.3 | | | | | | |
| DE/DH 8.00 | 8000 | 66.0 | 69.2 | 70.4 | 72.3 | 76.9 | 77.1 | 79.9 | 79.4 | 76.9 | 82.0 | 75.8 | 74.8 | 77.0 | 76.3 | 142.3 | | | | | | |
| OVERALL CALCULATED | 10000 | 67.2 | 66.3 | 66.6 | 68.6 | 70.1 | 70.4 | 78.7 | 78.9 | 75.3 | 83.8 | 76.4 | 76.9 | 78.9 | 78.1 | 145.8 | | | | | | |
| PNRB | 106.1 | 112.8 | 113.3 | 114.4 | 114.7 | 115.4 | 115.4 | 115.6 | 115.9 | 117.3 | 114.4 | 112.8 | 111.8 | 111.3 | 106.0 | | | | | | | |

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| | | ANGLES FROM (INCH) IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
|--------------------|--|---|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|--------|
| | | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 0' | 0' | 0' | | |
| SPL INPUT AT STD | | REV, ALPHA 12475 | PREB | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.0.) |
| NO EGA | | 50 | 27.1 | 26.9 | 29.5 | 22.5 | 24.7 | 24.9 | 26.2 | 28.3 | 29.3 | 31.4 | 29.2 | 24.2 | 24.9 | 21.3 | | | | |
| BIDELINE 24005 FT2 | | 80 | 27.8 | 21.5 | 23.1 | 23.2 | 25.2 | 25.9 | 28.1 | 29.2 | 30.4 | 30.7 | 32.1 | 34.6 | 33.4 | 24.0 | | | | |
| (X31.92 M) | | 100 | 27.5 | 21.1 | 22.9 | 25.2 | 25.6 | 26.3 | 27.6 | 29.2 | 30.9 | 33.4 | 34.5 | 34.2 | 31.3 | 28.2 | | | | |
| NFA 0: RPM | | 125 | 28.5 | 29.4 | 23.7 | 25.0 | 26.1 | 27.4 | 29.3 | 29.3 | 30.4 | 32.4 | 32.1 | 32.7 | 28.5 | 23.4 | | | | |
| (0: RAD/SEC) | | 150 | 27.4 | 20.6 | 23.6 | 24.7 | 25.9 | 27.1 | 28.7 | 29.6 | 30.1 | 31.8 | 32.9 | 32.9 | 27.1 | 20.1 | | | | |
| NFB 0: RPM | | 200 | 26.2 | 21.4 | 23.5 | 24.8 | 26.4 | 27.8 | 28.7 | 30.0 | 29.6 | 29.6 | 31.0 | 32.2 | 30.9 | 24.8 | 28.2 | | | |
| (0: RAD/SEC) | | 250 | 28.0 | 20.8 | 22.9 | 26.3 | 27.4 | 28.7 | 29.0 | 29.4 | 29.4 | 30.7 | 30.3 | 29.7 | 23.2 | 27.5 | | | | |
| NFD 0: RPM | | 333 | 27.0 | 21.8 | 24.9 | 26.1 | 27.3 | 28.8 | 29.2 | 30.3 | 30.7 | 31.2 | 29.9 | 28.5 | 21.8 | 25.6 | | | | |
| (0: RAD/SEC) | | 400 | 26.2 | 22.6 | 24.8 | 27.8 | 28.7 | 30.5 | 30.3 | 31.0 | 30.5 | 32.4 | 29.5 | 26.8 | 21.4 | 25.9 | | | | |
| AIRFLOW RATIO | | 500 | 24.9 | 23.1 | 26.1 | 28.0 | 30.5 | 32.4 | 32.8 | 33.3 | 32.4 | 33.4 | 29.4 | 25.5 | 20.0 | 23.6 | | | | |
| WF/HM 8.00 | | 650 | 27.3 | 26.0 | 21.7 | 23.3 | 23.4 | 24.5 | 24.1 | 24.2 | 23.5 | 25.0 | 20.0 | 27.4 | 22.1 | 24.4 | | | | |
| | | 800 | 27.5 | 27.7 | 24.4 | 26.2 | 25.5 | 25.8 | 24.2 | 24.8 | 23.9 | 25.3 | 20.3 | 29.4 | 28.6 | 27.2 | | | | |
| VEHICLE JENOTS | | 1000 | 23.4 | 23.2 | 26.4 | 29.0 | 30.5 | 32.7 | 31.0 | 32.5 | 32.5 | 33.9 | 28.5 | 23.7 | 27.8 | 22.0 | | | | |
| CONFIG JENOTS | | 1250 | 21.8 | 22.7 | 26.1 | 28.7 | 30.0 | 32.3 | 29.6 | 31.7 | 32.7 | 33.1 | 28.1 | 22.0 | 28.8 | 20.5 | | | | |
| LOG EVENDALE | | 1600 | 28.9 | 20.7 | 25.7 | 28.1 | 29.7 | 29.9 | 29.4 | 30.8 | 31.4 | 25.7 | 29.4 | 24.4 | 25.7 | | | | | |
| DATE 04-29-75 | | 2000 | 25.0 | 27.2 | 21.8 | 24.1 | 26.4 | 27.4 | 26.7 | 28.2 | 28.5 | 28.0 | 22.3 | 25.7 | 29.1 | 28.1 | | | | |
| BUN DBTF=MODEL 6 | | 2500 | 21.0 | 24.7 | 29.6 | 22.6 | 24.7 | 24.8 | 25.2 | 24.9 | 25.4 | 24.6 | 28.3 | 20.8 | 24.0 | 20.7 | | | | |
| TARE X60390 | | 3120 | 22.5 | 28.8 | 24.3 | 29.0 | 20.6 | 22.7 | 22.9 | 21.6 | 20.5 | 28.2 | 21.3 | 23.4 | 23.0 | 19.8 | | | | |
| FAN TIP SPEED | | 4000 | 27.7 | 25.4 | 23.4 | 29.2 | 21.9 | 25.3 | 26.2 | 25.8 | 22.9 | 26.2 | 23.0 | 22.9 | 21.8 | | | | | |
| FT/SEC | | 5000 | 7.9 | 26.5 | 25.2 | 21.3 | 24.8 | 27.5 | 29.0 | 29.7 | 27.8 | 24.4 | 26.0 | 25.8 | 13.1 | | | | | |
| | | 6300 | | 7.8 | 18.8 | 26.6 | 31.0 | 34.7 | 35.9 | 36.4 | 34.0 | 32.4 | 22.2 | 10.9 | | | | | | |
| | | 8000 | | | | 7.6 | 16.9 | 19.8 | 21.3 | 22.1 | 16.9 | 17.3 | 3.3 | | | | | | | |
| | | 10000 | | | | | | 3.7 | 5.1 | 4.2 | | | | | | | | | | |
| OVERALL CALCULATED | | | 28.6 | 24.8 | 29.2 | 21.1 | 21.8 | 22.7 | 22.7 | 23.6 | 23.8 | 24.8 | 23.0 | 23.5 | 20.9 | 29.2 | | | | |
| PNDB | | | 22.0 | 21.2 | 26.4 | 28.6 | 29.4 | 28.3 | 28.2 | 21.1 | 21.0 | 21.6 | 27.5 | 25.0 | 29.6 | 29.0 | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | PWL |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|----|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | |
| REV. ALPHA 12/73 | FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | | |
| | 50 | 81.4 | 79.2 | 80.6 | 82.2 | 84.2 | 84.0 | 85.1 | 87.3 | 89.1 | 91.6 | 90.8 | 96.8 | 100.2 | 99.1 | | | | | | 150.7 |
| NO EGA | 63 | 81.8 | 82.6 | 83.8 | 83.0 | 84.2 | 85.4 | 87.0 | 88.7 | 89.7 | 91.7 | 93.7 | 98.9 | 99.6 | 100.3 | | | | | | 151.7 |
| RDG. NO. 0. | 80 | 82.3 | 83.7 | 84.2 | 83.2 | 84.2 | 84.5 | 86.9 | 88.4 | 89.9 | 91.5 | 93.7 | 97.3 | 98.7 | 101.8 | | | | | | 151.5 |
| RADIAL 320. FT. | 100 | 82.0 | 83.4 | 84.4 | 85.0 | 85.8 | 85.8 | 87.2 | 89.9 | 90.8 | 94.5 | 96.0 | 97.5 | 96.5 | 96.2 | | | | | | 151.0 |
| (98. M) | 125 | 83.1 | 82.9 | 84.8 | 84.9 | 85.3 | 86.4 | 87.9 | 89.1 | 90.4 | 94.1 | 94.5 | 94.7 | 93.4 | 91.9 | | | | | | 149.5 |
| VEHICLE JENOTS | 160 | 82.2 | 83.7 | 84.6 | 84.8 | 85.7 | 86.4 | 87.9 | 89.2 | 90.4 | 93.6 | 94.8 | 95.5 | 90.7 | 89.4 | | | | | | 149.4 |
| CONFIG JE-057 | 200 | 82.1 | 84.5 | 84.7 | 85.5 | 85.8 | 87.5 | 87.8 | 89.5 | 90.1 | 92.8 | 93.8 | 93.2 | 89.9 | 87.2 | | | | | | 148.7 |
| LOC EVENDALE | 250 | 83.8 | 83.3 | 84.8 | 86.4 | 87.0 | 87.9 | 88.5 | 89.8 | 91.0 | 92.9 | 93.2 | 92.3 | 89.1 | 87.3 | | | | | | 148.7 |
| DATE 04-29-75 | 315 | 83.3 | 84.1 | 85.8 | 85.2 | 86.4 | 87.4 | 88.7 | 90.2 | 92.0 | 93.6 | 91.5 | 91.7 | 87.4 | 86.0 | | | | | | 148.7 |
| RUN DBTF-MODEL 6 | 400 | 82.6 | 85.4 | 85.8 | 86.5 | 87.6 | 88.6 | 89.5 | 91.4 | 93.1 | 95.6 | 91.7 | 90.9 | 87.8 | 86.4 | | | | | | 149.7 |
| TAPE X60370 | 500 | 82.0 | 85.5 | 86.3 | 87.3 | 89.2 | 90.1 | 90.9 | 93.0 | 94.8 | 96.4 | 91.1 | 89.6 | 86.6 | 86.3 | | | | | | 150.6 |
| BAR 29.9 HG | 630 | 82.5 | 86.5 | 87.6 | 88.6 | 90.3 | 91.9 | 92.8 | 94.8 | 97.4 | 98.3 | 91.7 | 90.2 | 87.3 | 86.1 | | | | | | 152.5 |
| (01039, N/M2) | 800 | 83.1 | 88.2 | 89.3 | 90.9 | 92.5 | 93.3 | 94.0 | 96.0 | 98.4 | 98.5 | 91.7 | 90.5 | 87.7 | 86.4 | | | | | | 153.5 |
| TAMS 59, DEG F | 1000 | 82.7 | 88.2 | 88.7 | 91.0 | 92.7 | 94.1 | 94.5 | 97.4 | 98.5 | 98.9 | 92.6 | 90.4 | 87.3 | 86.1 | | | | | | 154.0 |
| (288, DEG K) | 1250 | 83.2 | 88.6 | 89.4 | 91.7 | 93.1 | 94.3 | 94.6 | 98.4 | 99.5 | 99.3 | 93.0 | 90.1 | 87.1 | 86.2 | | | | | | 154.8 |
| THET 53, DEG F | 1600 | 83.9 | 90.2 | 92.0 | 92.2 | 92.9 | 93.9 | 95.2 | 98.8 | 99.5 | 98.6 | 92.7 | 89.4 | 87.6 | 86.3 | | | | | | 155.0 |
| (285, DEG K) | 2000 | 83.7 | 89.5 | 93.0 | 92.8 | 93.8 | 94.5 | 95.4 | 98.4 | 99.7 | 97.1 | 92.0 | 89.5 | 88.5 | 87.1 | | | | | | 155.1 |
| HACT 8.91 GM/M3 | 2500 | 80.9 | 87.5 | 91.2 | 92.0 | 91.5 | 92.5 | 94.6 | 97.9 | 98.2 | 96.0 | 91.6 | 87.9 | 86.2 | 85.0 | | | | | | 154.2 |
| (.00891 KG/M3) | 3150 | 77.0 | 83.4 | 86.7 | 87.5 | 87.3 | 89.0 | 91.7 | 95.2 | 95.2 | 94.5 | 89.2 | 86.1 | 84.0 | 80.7 | | | | | | 151.9 |
| FREQ. SHIFT | 4000 | 72.5 | 78.8 | 81.6 | 82.5 | 82.3 | 85.1 | 87.4 | 90.4 | 90.3 | 90.0 | 85.9 | 82.8 | 80.1 | 76.0 | | | | | | 148.0 |
| JET 9 | 5000 | 68.8 | 75.2 | 77.7 | 78.5 | 78.6 | 79.9 | 82.3 | 85.5 | 86.1 | 84.2 | 80.1 | 76.8 | 75.2 | 73.5 | | | | | | 143.6 |
| DIAMETER RATIO | 6300 | 65.4 | 69.9 | 72.4 | 73.4 | 72.8 | 75.9 | 77.9 | 81.1 | 81.6 | 79.8 | 76.8 | 75.0 | 73.6 | 73.9 | | | | | | 140.5 |
| DF/DM 8.00 | 8000 | 65.2 | 66.9 | 68.1 | 69.3 | 69.6 | 74.6 | 76.1 | 79.1 | 78.6 | 77.0 | 76.8 | 76.3 | 75.2 | 76.0 | | | | | | 140.5 |
| | 10000 | 66.8 | 65.9 | 65.4 | 67.4 | 68.7 | 76.0 | 77.1 | 79.5 | 77.7 | 77.4 | 78.5 | 78.0 | 78.2 | 77.7 | | | | | | 143.9 |
| OVERALL CALCULATED | | 95.3 | 99.0 | 100.8 | 101.6 | 102.5 | 103.6 | 104.7 | 107.5 | 108.6 | 108.9 | 105.7 | 106.5 | 106.3 | 106.6 | | | | | | 165.2 |
| PNDR | | 105.4 | 110.1 | 112.7 | 113.5 | 113.9 | 115.0 | 116.6 | 119.6 | 120.3 | 119.5 | 115.7 | 113.8 | 112.0 | 110.9 | | | | | | |

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 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|--|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| REV. ALPHA 12/73 | FREQ. | | | | | | | | | | | | | | | | | | | |
| | 50 | 57.6 | 57.6 | 60.5 | 63.2 | 66.0 | 66.2 | 67.4 | 69.5 | 70.9 | 72.6 | 70.7 | 75.2 | 76.4 | 71.8 | | | | | |
| NO EGA | 63 | 57.9 | 60.9 | 63.7 | 64.0 | 66.0 | 67.5 | 69.3 | 70.9 | 71.4 | 72.7 | 73.6 | 77.2 | 75.6 | 72.9 | | | | | |
| SIDELINE 2400, FT. | 80 | 58.3 | 62.0 | 64.1 | 64.2 | 65.9 | 66.6 | 69.1 | 70.5 | 71.6 | 72.4 | 73.6 | 75.6 | 74.6 | 74.2 | | | | | |
| (731.52 M) | 100 | 57.8 | 61.6 | 64.2 | 65.9 | 67.4 | 67.8 | 69.4 | 71.9 | 72.4 | 75.4 | 75.7 | 75.7 | 72.3 | 68.4 | | | | | |
| NFA 0, RPM | 125 | 58.7 | 60.9 | 64.4 | 65.7 | 66.8 | 68.4 | 70.0 | 71.1 | 71.9 | 74.9 | 74.1 | 72.7 | 69.0 | 63.9 | | | | | |
| (0, RAD/SEC) | 160 | 57.7 | 61.6 | 64.1 | 65.5 | 67.2 | 68.3 | 69.9 | 71.1 | 71.9 | 74.3 | 74.4 | 73.4 | 66.1 | 61.1 | | | | | |
| NFK 0, RPM | 200 | 57.2 | 62.2 | 64.0 | 66.0 | 67.1 | 69.3 | 69.7 | 71.3 | 71.4 | 73.3 | 73.2 | 70.9 | 65.1 | 58.5 | | | | | |
| (0, RAD/SEC) | 250 | 58.7 | 60.8 | 64.0 | 66.8 | 68.1 | 69.5 | 70.3 | 71.4 | 72.1 | 73.3 | 72.3 | 69.7 | 64.0 | 58.1 | | | | | |
| NFD 0, RPM | 315 | 57.7 | 61.2 | 64.7 | 65.3 | 67.3 | 68.8 | 70.3 | 71.6 | 73.0 | 73.7 | 70.4 | 68.8 | 61.9 | 56.1 | | | | | |
| (0, RAD/SEC) | 400 | 56.5 | 62.1 | 64.4 | 66.3 | 68.3 | 69.8 | 70.8 | 72.5 | 73.7 | 75.5 | 70.3 | 67.6 | 61.7 | 55.7 | | | | | |
| AIRFLOW RATIO | 500 | 55.2 | 61.7 | 64.4 | 66.8 | 69.5 | 70.9 | 71.9 | 73.8 | 75.2 | 75.9 | 69.2 | 65.8 | 59.8 | 54.6 | | | | | |
| WF/WH 8.00 | 630 | 54.9 | 62.1 | 65.3 | 67.6 | 70.2 | 72.3 | 73.4 | 75.2 | 77.3 | 77.3 | 69.4 | 65.7 | 59.7 | 53.2 | | | | | |
| | 800 | 54.3 | 62.8 | 66.2 | 69.3 | 71.8 | 73.2 | 74.1 | 75.9 | 77.7 | 76.9 | 68.6 | 65.2 | 58.9 | 51.8 | | | | | |
| VEHICLE JENOTS | 1000 | 52.6 | 61.9 | 64.8 | 68.6 | 71.4 | 73.3 | 73.9 | 76.6 | 77.1 | 76.5 | 68.7 | 64.1 | 57.2 | 49.4 | | | | | |
| CONFIG JE-052 | 1250 | 51.4 | 61.0 | 64.4 | 68.4 | 71.0 | 72.7 | 73.3 | 76.9 | 77.4 | 76.0 | 68.0 | 62.5 | 55.3 | 47.0 | | | | | |
| LOC EVENDALE | 1600 | 49.7 | 60.7 | 65.5 | 67.6 | 69.5 | 71.2 | 72.7 | 76.1 | 76.1 | 74.0 | 66.2 | 59.9 | 53.4 | 43.5 | | | | | |
| DATE 04-29-75 | 2000 | 46.6 | 57.8 | 64.7 | 66.6 | 68.9 | 70.5 | 71.6 | 74.3 | 74.8 | 70.9 | 63.6 | 57.8 | 51.4 | 40.0 | | | | | |
| RUN DBTF-MODEL 8 | 2500 | 39.6 | 52.6 | 60.2 | 63.5 | 64.6 | 66.4 | 68.8 | 71.8 | 71.3 | 67.5 | 60.6 | 53.0 | 44.9 | 31.6 | | | | | |
| TAPE X60370 | 3150 | 28.9 | 43.4 | 51.5 | 55.4 | 57.0 | 59.8 | 62.8 | 66.0 | 64.9 | 62.3 | 54.0 | 46.1 | 35.9 | 17.2 | | | | | |
| FAN TIP SPEED | 4000 | 14.3 | 31.0 | 40.0 | 44.8 | 47.0 | 51.1 | 53.9 | 56.4 | 55.0 | 52.3 | 44.3 | 35.0 | 21.9 | | | | | | |
| FT/SEC | 5000 | 4.8 | 23.0 | 32.5 | 37.6 | 40.4 | 43.1 | 46.0 | 48.7 | 47.9 | 43.3 | 34.9 | 24.6 | 11.2 | | | | | | |
| | 6300 | | 4.6 | 16.3 | 23.1 | 26.0 | 31.0 | 33.6 | 36.2 | 34.8 | 29.4 | 20.7 | 9.7 | | | | | | | |
| | 8000 | | | | 4.5 | 9.6 | 17.2 | 19.5 | 21.8 | 18.6 | 12.3 | 4.2 | | | | | | | | |
| | 10000 | | | | | | 1.3 | 3.5 | 4.8 | | | | | | | | | | | |
| OVERALL CALCULATED | | 88.7 | 73.6 | 76.9 | 79.1 | 81.2 | 82.8 | 83.9 | 86.1 | 87.0 | 87.2 | 84.1 | 84.0 | 81.8 | 78.7 | | | | | |
| PNDR | | 71.5 | 86.0 | 84.9 | 87.3 | 89.4 | 91.1 | 92.5 | 95.0 | 95.5 | 94.2 | 88.3 | 84.9 | 79.6 | 74.7 | | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | 0, 0, 0. | | | PWL |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|-------|
| REV. | ALPHA 12/73 FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) | |
| | | 86.9 | 85.0 | 86.1 | 87.7 | 88.2 | 89.0 | 90.3 | 92.3 | 94.6 | 97.3 | 97.5 | 103.5 | 108.2 | 106.6 | | | | | | 157.8 |
| | NO EGA | 63 | 88.1 | 88.3 | 89.3 | 88.0 | 89.0 | 90.1 | 91.7 | 93.7 | 95.2 | 96.9 | 100.0 | 105.6 | 107.6 | 106.8 | | | | | 158.3 |
| | RDG. NO. 0 | 80 | 88.1 | 88.7 | 89.0 | 87.7 | 88.7 | 89.0 | 91.9 | 94.4 | 95.7 | 97.7 | 100.5 | 104.3 | 106.4 | 107.8 | | | | | 158.1 |
| | RADIAL 320. FT. | 100 | 87.2 | 88.4 | 89.1 | 89.5 | 90.3 | 90.3 | 91.9 | 94.6 | 96.0 | 100.0 | 102.5 | 103.5 | 103.5 | 103.2 | | | | | 157.1 |
| | (98. M) | 125 | 88.1 | 87.4 | 89.5 | 89.2 | 89.5 | 90.7 | 92.9 | 94.8 | 95.9 | 99.3 | 101.0 | 100.9 | 100.4 | 97.9 | | | | | 155.3 |
| | VEHICLE - JENOTS | 160 | 87.5 | 87.9 | 88.6 | 89.3 | 90.0 | 90.7 | 92.4 | 94.2 | 95.4 | 99.1 | 101.3 | 101.5 | 97.2 | 95.2 | | | | | 155.1 |
| | CONFIG JE-057 | 200 | 86.6 | 88.2 | 88.4 | 89.2 | 89.6 | 91.2 | 92.8 | 94.2 | 95.6 | 98.3 | 99.8 | 99.0 | 95.1 | 93.2 | | | | | 154.0 |
| | LOC EVENDALE | 250 | 87.8 | 87.8 | 88.3 | 90.2 | 90.5 | 91.6 | 92.0 | 93.8 | 95.2 | 97.9 | 98.9 | 98.3 | 95.1 | 92.5 | | | | | 153.6 |
| | DATE 04-29-75 | 315 | 86.8 | 88.1 | 89.3 | 88.2 | 89.9 | 90.7 | 92.2 | 93.9 | 96.0 | 97.6 | 97.5 | 97.4 | 94.2 | 91.0 | | | | | 153.1 |
| | RUN DBTF-MODEL 6 | 400 | 86.1 | 88.2 | 88.3 | 89.5 | 90.6 | 91.4 | 92.5 | 94.7 | 96.1 | 97.9 | 96.7 | 96.1 | 93.3 | 92.2 | | | | | 153.1 |
| | TAPE X60418 | 500 | 85.0 | 87.5 | 88.5 | 89.6 | 90.7 | 92.4 | 93.2 | 95.7 | 98.1 | 97.2 | 96.1 | 95.3 | 93.1 | 90.8 | | | | | 153.4 |
| | BAR 29.9 HG | 630 | 84.8 | 87.8 | 88.9 | 89.9 | 91.3 | 93.4 | 94.8 | 97.3 | 99.9 | 97.8 | 96.0 | 95.4 | 92.5 | 90.9 | | | | | 154.4 |
| | (01039. N/M2) | 800 | 84.8 | 89.4 | 90.3 | 92.4 | 93.7 | 95.6 | 95.5 | 97.7 | 100.4 | 98.0 | 95.7 | 95.0 | 92.9 | 89.9 | | | | | 155.2 |
| | TAMB 59, DEG F | 1000 | 84.9 | 89.0 | 90.7 | 92.7 | 94.7 | 96.1 | 96.5 | 98.6 | 101.7 | 98.4 | 95.1 | 94.4 | 92.1 | 89.6 | | | | | 155.9 |
| | (288, DEG K) | 1250 | 85.4 | 90.4 | 91.9 | 93.7 | 95.6 | 96.0 | 97.4 | 100.9 | 102.3 | 99.1 | 95.3 | 93.4 | 92.1 | 89.7 | | | | | 156.9 |
| | TWET 53, DEG F | 1600 | 85.1 | 90.7 | 92.5 | 93.7 | 95.6 | 96.1 | 97.7 | 101.0 | 101.7 | 99.6 | 95.2 | 92.9 | 90.9 | 88.8 | | | | | 157.0 |
| | (285, DEG K) | 2000 | 82.7 | 88.0 | 90.0 | 91.6 | 93.8 | 95.5 | 96.9 | 100.1 | 100.9 | 98.3 | 94.0 | 91.8 | 89.0 | 86.4 | | | | | 156.2 |
| | HACT 8.9, GH/M3 | 2500 | 79.9 | 86.2 | 87.9 | 89.7 | 91.5 | 93.7 | 95.8 | 98.6 | 99.5 | 96.5 | 91.9 | 89.4 | 87.2 | 84.0 | | | | | 154.9 |
| | (.00891 KG/M3) | 3150 | 77.7 | 84.9 | 86.7 | 88.5 | 89.0 | 91.0 | 93.2 | 96.2 | 97.2 | 94.5 | 89.5 | 87.4 | 85.5 | 82.9 | | | | | 153.1 |
| | FREQ. SHIFT | 4000 | 73.2 | 80.0 | 82.3 | 84.0 | 84.6 | 87.6 | 89.4 | 92.4 | 92.0 | 90.5 | 86.4 | 84.5 | 82.6 | 80.2 | | | | | 149.6 |
| | JET 9 | 5000 | 70.5 | 76.5 | 78.5 | 80.5 | 81.1 | 83.1 | 85.1 | 87.5 | 88.9 | 85.7 | 81.4 | 81.0 | 80.5 | 81.0 | | | | | 146.0 |
| | DIAHETER RATIO | 6300 | 67.4 | 71.6 | 73.6 | 75.9 | 77.1 | 78.9 | 80.9 | 83.8 | 84.1 | 82.3 | 78.0 | 82.5 | 81.8 | 82.9 | | | | | 143.8 |
| | DF/DH 8.00 | 8000 | 66.5 | 67.7 | 69.3 | 71.5 | 76.1 | 75.6 | 78.3 | 80.9 | 81.6 | 81.5 | 77.5 | 85.0 | 84.2 | 85.8 | | | | | 145.0 |
| | | 10000 | 67.3 | 68.4 | 66.2 | 68.4 | 76.9 | 76.5 | 77.8 | 80.3 | 79.2 | 82.7 | 78.7 | 87.7 | 87.0 | 88.2 | | | | | 148.9 |
| | OVERALL CALCULATED | | 98.9 | 101.1 | 102.3 | 103.3 | 104.7 | 105.9 | 107.2 | 109.9 | 111.4 | 111.0 | 111.0 | 112.6 | 113.6 | 113.0 | | | | | 168.7 |
| | PNDB | | 106.9 | 111.0 | 112.5 | 113.8 | 115.4 | 117.0 | 118.7 | 121.4 | 122.5 | 121.0 | 118.3 | 117.8 | 116.2 | 115.5 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV, ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 83.1 | 83.4 | 66.0 | 68.7 | 70.0 | 71.2 | 72.7 | 74.5 | 76.4 | 78.4 | 77.5 | 82.0 | 84.4 | 79.3 | | | |
| SIDELINE 2400, FT. | 63 | 64.1 | 66.7 | 69.2 | 69.0 | 70.7 | 72.3 | 74.0 | 75.9 | 76.9 | 78.0 | 79.9 | 84.0 | 83.6 | 79.4 | | | |
| (731.52 M) | 80 | 64.0 | 67.0 | 68.8 | 68.7 | 70.4 | 71.1 | 74.1 | 76.5 | 77.4 | 78.7 | 80.3 | 82.6 | 82.4 | 80.2 | | | |
| NFA | 100 | 83.0 | 66.6 | 68.9 | 70.4 | 71.9 | 72.3 | 74.1 | 76.7 | 77.7 | 80.9 | 82.2 | 81.7 | 79.3 | 75.4 | | | |
| (0, RPM) | 125 | 63.7 | 65.4 | 69.2 | 70.0 | 71.1 | 72.7 | 75.0 | 76.8 | 77.4 | 80.2 | 80.6 | 79.0 | 76.0 | 69.9 | | | |
| (0, RAD/SEC) | 160 | 62.9 | 65.8 | 68.1 | 70.0 | 71.4 | 72.6 | 74.4 | 76.1 | 76.9 | 79.8 | 80.9 | 79.4 | 72.6 | 66.8 | | | |
| NFK | 200 | 61.7 | 65.9 | 67.8 | 69.8 | 70.9 | 73.0 | 74.7 | 76.0 | 76.9 | 78.8 | 79.2 | 76.6 | 70.3 | 64.5 | | | |
| (0, RAD/SEC) | 250 | 62.7 | 65.3 | 67.5 | 70.5 | 71.6 | 73.2 | 73.8 | 75.4 | 76.4 | 78.3 | 78.1 | 75.7 | 70.0 | 63.3 | | | |
| NFD | 315 | 61.2 | 65.2 | 68.2 | 68.3 | 70.8 | 72.1 | 73.8 | 75.3 | 77.0 | 77.7 | 76.4 | 74.6 | 68.6 | 61.1 | | | |
| (0, RPM) | 400 | 60.0 | 64.9 | 66.9 | 69.3 | 71.3 | 72.5 | 73.8 | 75.8 | 76.7 | 77.7 | 75.3 | 72.8 | 67.2 | 61.5 | | | |
| (0, RAD/SEC) | 500 | 58.2 | 63.7 | 66.7 | 69.1 | 71.0 | 73.2 | 74.1 | 76.6 | 78.4 | 76.7 | 74.2 | 71.5 | 66.3 | 59.1 | | | |
| AIRFLOW RATIO | 630 | 57.2 | 63.3 | 66.5 | 68.9 | 71.2 | 73.8 | 75.4 | 77.7 | 79.8 | 76.8 | 73.6 | 70.9 | 64.9 | 57.9 | | | |
| WF/WM 8.00 | 800 | 56.1 | 64.1 | 67.2 | 70.8 | 73.1 | 75.4 | 75.6 | 77.6 | 79.7 | 76.4 | 72.6 | 69.7 | 64.2 | 55.3 | | | |
| VEHICLE JENOTS | 1000 | 54.8 | 62.6 | 66.8 | 70.4 | 73.4 | 75.3 | 75.9 | 77.9 | 80.4 | 76.0 | 71.2 | 68.1 | 62.0 | 52.9 | | | |
| CONFIG JE-057 | 1250 | 53.6 | 62.7 | 66.9 | 70.4 | 73.5 | 74.5 | 76.1 | 79.4 | 80.1 | 75.8 | 70.3 | 65.7 | 60.3 | 50.5 | | | |
| LOC EVENDALE | 1600 | 50.9 | 61.2 | 66.0 | 69.1 | 72.3 | 73.4 | 75.2 | 78.3 | 78.3 | 75.0 | 68.7 | 63.4 | 56.6 | 46.0 | | | |
| DATE 04-29-75 | 2000 | 45.6 | 56.3 | 61.7 | 65.4 | 68.9 | 71.5 | 73.1 | 76.1 | 76.1 | 72.1 | 65.6 | 60.1 | 51.9 | 39.2 | | | |
| RUN DBTF-MODEL 6 | 2500 | 38.6 | 51.3 | 56.9 | 61.3 | 64.6 | 67.7 | 70.1 | 72.6 | 72.6 | 68.0 | 60.9 | 54.5 | 45.9 | 30.6 | | | |
| TAPE X60410 | 3150 | 29.7 | 44.9 | 51.5 | 56.4 | 58.8 | 61.8 | 64.3 | 67.0 | 66.9 | 62.3 | 54.2 | 47.3 | 37.4 | 19.4 | | | |
| FAN TIP SPEED | 4000 | 15.1 | 32.3 | 40.8 | 46.3 | 49.3 | 53.6 | 55.9 | 58.4 | 56.7 | 52.8 | 44.8 | 36.8 | 24.4 | 1.6 | | | |
| FT/SEC | 5000 | 6.5 | 24.3 | 33.2 | 39.6 | 42.9 | 46.4 | 48.8 | 50.7 | 50.6 | 44.8 | 36.1 | 28.8 | 16.5 | | | | |
| | 6300 | | 6.3 | 17.6 | 25.6 | 30.3 | 34.0 | 36.6 | 39.0 | 37.3 | 31.9 | 22.0 | 17.2 | 0.6 | | | | |
| | 8000 | | | | 6.8 | 16.1 | 18.2 | 21.8 | 23.5 | 21.6 | 16.8 | 4.9 | | | | | | |
| | 10000 | | | | | | 1.8 | 4.2 | 5.5 | 0.9 | | | | | | | | |
| OVERALL CALCULATED | | 73.3 | 72.0 | 79.8 | 81.9 | 83.9 | 85.5 | 87.0 | 89.2 | 88.4 | 90.3 | 90.0 | 90.3 | 89.4 | 85.3 | | | |
| PND8 | | 74.9 | 82.7 | 85.8 | 88.8 | 91.5 | 93.2 | 94.9 | 97.6 | 98.1 | 96.0 | 92.8 | 90.8 | 86.7 | 81.1 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | 0, 0, 0, PHL | | |
|--------------------|------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|--------------|-----|-------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| REV. ALPHA 12/73 | FREQ | 50 | 77.9 | 74.2 | 77.1 | 77.7 | 80.7 | 79.7 | 81.3 | 82.8 | 83.3 | 84.1 | 83.0 | 88.5 | 91.2 | 91.9 | --- | --- | --- | 143.4 |
| | | 63 | 74.3 | 75.8 | 77.3 | 75.8 | 76.7 | 78.4 | 79.7 | 80.7 | 81.7 | 82.7 | 84.7 | 89.9 | 91.3 | 93.8 | --- | --- | --- | 143.6 |
| RDG. NO. 0. | | 80 | 76.1 | 77.7 | 79.2 | 77.7 | 79.5 | 79.0 | 81.4 | 81.9 | 82.7 | 83.0 | 84.2 | 89.1 | 91.4 | 95.6 | --- | --- | --- | 144.3 |
| RADIAL 320. FT. | | 100 | 77.0 | 78.7 | 78.4 | 78.8 | 79.5 | 79.3 | 80.4 | 82.4 | 83.3 | 85.8 | 87.7 | 89.3 | 90.2 | 93.5 | --- | --- | --- | 144.2 |
| (98. M) | | 125 | 79.1 | 78.1 | 79.5 | 78.6 | 79.5 | 80.7 | 82.4 | 83.1 | 83.6 | 85.6 | 86.5 | 88.7 | 89.6 | 89.9 | --- | --- | --- | 143.5 |
| VEHICLE JENOTS | | 160 | 77.7 | 77.4 | 78.6 | 78.3 | 79.5 | 79.9 | 81.9 | 83.2 | 83.7 | 85.6 | 87.1 | 89.5 | 88.7 | 87.2 | --- | --- | --- | 143.2 |
| CONFIG JE-057 | | 200 | 76.5 | 78.2 | 78.2 | 78.2 | 79.6 | 81.0 | 81.3 | 82.0 | 82.8 | 85.0 | 86.6 | 87.5 | 85.9 | 84.7 | --- | --- | --- | 142.1 |
| LOC EVENDALE | | 250 | 78.1 | 77.6 | 77.0 | 78.6 | 79.2 | 80.1 | 80.5 | 81.6 | 82.2 | 83.6 | 85.7 | 86.7 | 83.8 | 82.3 | --- | --- | --- | 141.2 |
| DATE 04-29-75 | | 315 | 77.0 | 77.3 | 77.7 | 76.4 | 77.6 | 78.7 | 79.7 | 81.1 | 82.0 | 83.6 | 84.5 | 85.7 | 81.6 | 80.0 | --- | --- | --- | 140.3 |
| RUN DBTF-MODEL 8 | | 400 | 75.3 | 76.6 | 76.2 | 76.7 | 77.3 | 77.5 | 78.7 | 80.1 | 80.8 | 82.8 | 83.6 | 84.8 | 80.8 | 78.1 | --- | --- | --- | 139.5 |
| TAPE X60428 | | 500 | 73.6 | 74.9 | 75.9 | 75.7 | 76.3 | 77.7 | 78.5 | 79.9 | 80.2 | 82.1 | 82.7 | 82.5 | 78.5 | 76.7 | --- | --- | --- | 138.6 |
| BAR 29.4 HG | | 630 | 73.1 | 75.4 | 75.5 | 75.2 | 76.4 | 77.2 | 77.9 | 79.9 | 80.5 | 81.6 | 82.1 | 82.8 | 77.9 | 76.0 | --- | --- | --- | 138.4 |
| (01039, N/M2) | | 800 | 72.4 | 74.7 | 75.1 | 75.7 | 76.8 | 77.8 | 78.0 | 79.3 | 80.4 | 81.6 | 81.3 | 80.6 | 77.5 | 75.5 | --- | --- | --- | 138.0 |
| TAMB 59, DEG F | | 1000 | 71.6 | 74.7 | 75.2 | 75.4 | 76.9 | 77.7 | 77.9 | 79.6 | 80.4 | 82.5 | 83.8 | 81.1 | 78.3 | 77.0 | --- | --- | --- | 138.8 |
| (288, DEG K) | | 1250 | 70.9 | 73.9 | 74.1 | 75.0 | 75.9 | 76.6 | 76.9 | 79.2 | 80.3 | 82.1 | 83.3 | 81.4 | 78.1 | 77.0 | --- | --- | --- | 138.5 |
| THET 53, DEG F | | 1600 | 68.8 | 71.8 | 72.2 | 72.6 | 74.0 | 75.3 | 75.3 | 77.7 | 78.1 | 80.5 | 80.4 | 79.3 | 75.5 | 73.4 | --- | --- | --- | 136.6 |
| (285, DEG K) | | 2000 | 66.5 | 69.3 | 69.8 | 70.1 | 72.2 | 73.0 | 73.6 | 75.4 | 75.9 | 77.6 | 77.7 | 76.3 | 72.8 | 70.1 | --- | --- | --- | 134.3 |
| HACT 8.91 GM/M3 | | 2500 | 63.1 | 65.6 | 66.6 | 67.4 | 68.4 | 69.6 | 70.9 | 73.0 | 74.1 | 75.1 | 74.8 | 72.5 | 69.8 | 67.6 | --- | --- | --- | 131.8 |
| (.00891 KG/M3) | | 3150 | 59.0 | 62.5 | 63.5 | 64.9 | 65.1 | 66.1 | 67.5 | 69.0 | 70.0 | 72.1 | 70.5 | 69.4 | 66.5 | 64.2 | --- | --- | --- | 128.8 |
| FREQ. SHIFT | | 4000 | 54.8 | 57.9 | 58.7 | 59.6 | 59.9 | 63.2 | 63.5 | 65.2 | 65.9 | 68.3 | 66.7 | 65.1 | 62.6 | 60.3 | --- | --- | --- | 125.3 |
| JET 9 | | 5000 | 52.0 | 54.4 | 54.2 | 55.0 | 56.3 | 67.8 | 68.0 | 60.4 | 60.8 | 64.4 | 62.8 | 61.7 | 60.4 | 59.9 | --- | --- | --- | 123.6 |
| DIAMETER RATIO | | 6300 | 51.8 | 51.7 | 51.5 | 52.3 | 53.9 | 59.7 | 54.2 | 56.2 | 55.7 | 64.1 | 62.1 | 62.6 | 60.9 | 62.0 | --- | --- | --- | 122.1 |
| DF/DM 8.00 | | 8000 | 54.2 | 53.1 | 52.8 | 53.0 | 55.8 | 62.1 | 54.0 | 56.4 | 54.6 | 67.2 | 64.0 | 64.5 | 63.7 | 64.7 | --- | --- | --- | 126.2 |
| OVERALL CALCULATED | | 10000 | 56.0 | 54.1 | 54.1 | 54.9 | 57.9 | 64.8 | 56.1 | 59.3 | 55.9 | 71.4 | 66.7 | 67.0 | 66.7 | 67.2 | --- | --- | --- | 132.0 |
| PNDH | | | 93.2 | 94.7 | 95.2 | 95.3 | 96.8 | 98.2 | 98.4 | 100.1 | 106.7 | 103.1 | 103.2 | 103.3 | 101.6 | 102.0 | --- | --- | --- | 153.8 |

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| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY) | | | | | | | | | | | | | | | | 0, 0, 0 | | |
|------------------|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|---------|-----|-----|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | 0, | 0, |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.10) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | (0, | (0, |
| REV. ALPHA 12/73 | FREQ | 50 | 54.1 | 52.6 | 57.0 | 58.7 | 62.4 | 61.9 | 63.7 | 65.0 | 65.1 | 65.1 | 63.0 | 66.9 | 67.4 | 64.6 | | | | |
| | NO EGA | 63 | 50.4 | 54.2 | 57.2 | 56.8 | 58.5 | 60.5 | 62.0 | 62.9 | 63.4 | 63.7 | 64.6 | 68.2 | 67.4 | 66.4 | | | | |
| | SIDELINE 2400, FT | 80 | 52.0 | 55.0 | 59.1 | 58.7 | 61.2 | 61.1 | 63.6 | 64.0 | 64.4 | 63.9 | 64.1 | 67.3 | 67.4 | 68.0 | | | | |
| | (731.52 M) | 100 | 52.8 | 55.8 | 58.2 | 59.6 | 61.1 | 61.3 | 62.6 | 64.4 | 64.9 | 66.6 | 67.5 | 67.4 | 66.0 | 65.7 | | | | |
| | NFA 0, RPM | 125 | 54.7 | 58.2 | 59.2 | 59.5 | 61.1 | 62.7 | 64.5 | 65.1 | 65.2 | 66.4 | 66.1 | 66.7 | 65.3 | 61.9 | | | | |
| | (0, RAD/SEC) | 160 | 53.2 | 55.3 | 58.1 | 59.0 | 60.9 | 61.8 | 63.9 | 65.1 | 65.1 | 66.3 | 66.6 | 67.3 | 64.1 | 58.8 | | | | |
| | NFK 0, RPM | 200 | 51.7 | 55.9 | 57.5 | 58.8 | 60.9 | 62.7 | 63.2 | 63.7 | 64.2 | 65.5 | 66.0 | 65.1 | 61.1 | 56.0 | | | | |
| | (0, RAD/SEC) | 250 | 52.9 | 55.0 | 56.2 | 59.0 | 60.4 | 61.7 | 62.3 | 63.2 | 63.4 | 64.0 | 64.8 | 64.2 | 58.7 | 53.0 | | | | |
| | NFD 0, RPM | 315 | 51.5 | 54.4 | 56.6 | 56.6 | 58.5 | 60.1 | 61.2 | 62.5 | 62.9 | 63.7 | 63.4 | 62.8 | 56.1 | 50.1 | | | | |
| | (0, RAD/SEC) | 400 | 49.1 | 53.3 | 54.8 | 56.5 | 58.0 | 58.7 | 60.0 | 61.2 | 61.4 | 62.6 | 62.2 | 61.5 | 54.7 | 47.4 | | | | |
| | AIRFLOW RATIO | 500 | 46.8 | 51.1 | 54.1 | 55.2 | 56.7 | 58.6 | 59.5 | 60.7 | 60.6 | 61.6 | 60.9 | 58.7 | 51.7 | 45.0 | | | | |
| | WF/WB 8.00 | 630 | 45.5 | 51.0 | 53.1 | 54.3 | 56.3 | 57.7 | 58.5 | 60.3 | 60.4 | 60.7 | 59.7 | 58.3 | 50.3 | 43.0 | | | | |
| | | 800 | 43.6 | 47.4 | 52.0 | 54.1 | 56.1 | 57.7 | 58.1 | 59.2 | 59.8 | 59.9 | 58.1 | 55.2 | 48.7 | 40.8 | | | | |
| | VEHICLE JENOTS | 1000 | 41.5 | 48.3 | 51.2 | 53.1 | 55.6 | 57.0 | 57.3 | 58.8 | 59.1 | 60.2 | 59.9 | 54.8 | 48.2 | 40.4 | | | | |
| | CONFIG JE-057 | 1250 | 39.1 | 46.2 | 49.1 | 51.7 | 53.7 | 55.0 | 55.6 | 57.7 | 58.2 | 58.8 | 58.3 | 53.8 | 46.3 | 37.8 | | | | |
| | LDC EVENDALE | 1600 | 34.5 | 42.3 | 45.6 | 48.0 | 50.6 | 52.6 | 52.8 | 55.0 | 54.7 | 55.9 | 53.8 | 49.8 | 41.3 | 30.6 | | | | |
| | DATE 04-29-75 | 2000 | 29.3 | 37.6 | 41.4 | 43.9 | 47.4 | 49.0 | 49.8 | 51.3 | 51.1 | 51.4 | 49.4 | 44.6 | 35.6 | 23.0 | | | | |
| | RUN DBTF-MODEL 6 | 2500 | 21.8 | 38.7 | 35.6 | 38.9 | 41.5 | 43.5 | 45.2 | 46.9 | 47.2 | 46.6 | 43.8 | 37.6 | 28.5 | 14.2 | | | | |
| | TAPE X60420 | 3150 | 11.0 | 22.5 | 28.3 | 32.7 | 34.8 | 36.9 | 38.6 | 39.8 | 39.7 | 39.9 | 35.3 | 29.4 | 18.5 | 0.8 | | | | |
| | FAN TIP SPEED | 4000 | | 10.1 | 17.1 | 22.2 | 24.6 | 29.2 | 30.0 | 31.2 | 30.6 | 30.6 | 25.2 | 17.4 | 4.5 | | | | | |
| | FT/SEC | 5000 | | 2.2 | 8.9 | 14.1 | 18.1 | 21.7 | 23.7 | 23.7 | 22.6 | 23.5 | 17.6 | 9.5 | | | | | | |
| | | 6300 | | | | 2.0 | 7.1 | 14.8 | 10.0 | 11.3 | 8.9 | 23.8 | 6.1 | | | | | | | |
| | | 8000 | | | | | | 4.7 | | | | 2.5 | | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | | |
| | OVERALL CALCULATED | | 52.8 | 65.7 | 68.2 | 69.2 | 71.2 | 72.3 | 73.6 | 74.7 | 74.9 | 75.7 | 75.7 | 76.5 | 74.7 | 73.1 | | | | |
| | PNDB | | 62.8 | 67.4 | 70.0 | 71.7 | 73.7 | 75.2 | 76.2 | 77.6 | 77.7 | 78.7 | 77.9 | 76.7 | 71.9 | 67.4 | | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE - MONTH 5 DAY 5 HR 15.0
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 59, DEG, F, 70 PERCENT REL HUM, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | RHL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | | | |
| REV, ALPHA 12/73 | FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | | | |
| | 50 | 76.7 | 74.2 | 77.8 | 77.7 | 79.4 | 79.5 | 80.3 | 82.1 | 82.8 | 84.3 | 83.0 | 88.0 | 91.2 | 91.6 | | | 143.1 | | |
| NO EGA | 63 | 74.6 | 75.8 | 77.1 | 76.0 | 76.7 | 78.4 | 79.7 | 80.7 | 81.9 | 82.9 | 84.5 | 90.6 | 91.3 | 93.6 | | | 143.8 | | |
| RDG, NO. 0. | 80 | 75.8 | 77.2 | 78.7 | 77.2 | 79.2 | 79.0 | 80.6 | 81.6 | 82.4 | 82.7 | 84.5 | 88.8 | 90.4 | 94.8 | | | 143.8 | | |
| RADIAL 320, FT; | 100 | 77.2 | 77.9 | 77.9 | 78.5 | 79.3 | 78.8 | 79.7 | 82.4 | 82.8 | 85.5 | 87.7 | 89.3 | 90.0 | 92.5 | | | 143.8 | | |
| (98, M) | 125 | 78.3 | 77.4 | 78.5 | 78.1 | 79.3 | 80.4 | 81.9 | 82.6 | 83.1 | 85.3 | 85.5 | 88.9 | 88.6 | 87.9 | | | 142.8 | | |
| VEHICLE JENOTS | 160 | 76.5 | 76.7 | 78.1 | 77.8 | 79.0 | 79.9 | 81.4 | 82.7 | 82.7 | 84.6 | 86.6 | 89.7 | 87.4 | 84.9 | | | 142.6 | | |
| CONFIG JE-057 | 200 | 76.5 | 77.5 | 78.2 | 77.7 | 79.1 | 80.0 | 81.3 | 82.0 | 81.8 | 84.2 | 85.8 | 86.7 | 84.9 | 82.2 | | | 141.4 | | |
| LOC EVENDALE | 250 | 77.8 | 76.8 | 76.5 | 78.6 | 79.5 | 79.3 | 80.0 | 81.1 | 81.7 | 83.4 | 84.9 | 85.7 | 82.8 | 81.3 | | | 140.6 | | |
| DATE 04-29-75 | 315 | 76.5 | 77.3 | 77.5 | 76.4 | 77.8 | 78.2 | 79.2 | 80.6 | 81.5 | 83.1 | 83.7 | 84.7 | 80.9 | 78.5 | | | 139.7 | | |
| RUN DBTF-MODEL 6 | 400 | 75.3 | 77.1 | 76.7 | 77.2 | 77.8 | 78.5 | 79.2 | 80.6 | 80.5 | 82.8 | 83.4 | 83.6 | 79.0 | 77.1 | | | 139.3 | | |
| TAPE X60430 | 500 | 74.1 | 75.1 | 75.4 | 76.2 | 77.3 | 78.2 | 78.8 | 80.4 | 80.7 | 82.3 | 83.2 | 82.2 | 77.5 | 75.7 | | | 138.8 | | |
| BAR 29.9 HG | 630 | 72.9 | 75.9 | 75.8 | 76.2 | 76.7 | 78.0 | 78.7 | 80.2 | 80.7 | 82.1 | 83.6 | 81.8 | 76.9 | 75.7 | | | 138.8 | | |
| (01039, N/M2) | 800 | 72.4 | 75.7 | 75.9 | 76.2 | 77.3 | 78.3 | 78.3 | 79.8 | 80.4 | 81.6 | 80.5 | 80.3 | 76.5 | 75.0 | | | 138.1 | | |
| TAMB 59, DEG F | 1000 | 71.6 | 75.7 | 75.9 | 75.9 | 77.1 | 77.7 | 78.6 | 80.3 | 81.6 | 84.0 | 83.5 | 80.1 | 76.3 | 76.0 | | | 139.3 | | |
| (288, DEG K) | 1250 | 71.4 | 75.6 | 76.4 | 76.4 | 77.1 | 77.5 | 77.6 | 80.2 | 81.0 | 83.3 | 85.3 | 78.9 | 77.1 | 75.9 | | | 139.4 | | |
| THET 53, DEG F | 1600 | 70.0 | 74.3 | 74.9 | 74.3 | 75.2 | 75.7 | 76.3 | 77.9 | 79.3 | 81.7 | 83.1 | 77.3 | 74.7 | 73.9 | | | 137.7 | | |
| (285, DEG K) | 2000 | 67.4 | 71.2 | 71.4 | 71.0 | 72.2 | 72.4 | 73.8 | 75.3 | 76.3 | 78.0 | 78.6 | 74.7 | 71.9 | 70.0 | | | 134.5 | | |
| HACT 8.91 GM/M3 | 2500 | 63.2 | 67.3 | 67.7 | 68.0 | 68.3 | 69.2 | 70.4 | 71.9 | 73.5 | 75.0 | 75.2 | 70.7 | 68.2 | 66.0 | | | 131.5 | | |
| (.00891 KG/M3) | 3150 | 59.9 | 64.1 | 64.4 | 64.8 | 65.0 | 65.8 | 66.9 | 68.2 | 69.4 | 70.7 | 70.4 | 67.1 | 64.7 | 63.1 | | | 128.1 | | |
| FREQ, SHIFT | 4000 | 55.2 | 59.3 | 59.3 | 60.0 | 59.6 | 65.1 | 63.2 | 64.1 | 64.8 | 67.0 | 66.6 | 62.8 | 61.8 | 59.2 | | | 125.0 | | |
| JET 9 | 5000 | 53.6 | 55.8 | 55.6 | 56.1 | 56.2 | 65.3 | 58.0 | 59.6 | 60.2 | 63.5 | 62.2 | 59.9 | 59.8 | 59.8 | | | 122.4 | | |
| DIAMETER RATIO | 6300 | 52.5 | 52.7 | 51.9 | 53.5 | 54.6 | 66.9 | 54.4 | 55.6 | 55.9 | 64.8 | 62.5 | 62.3 | 60.9 | 61.7 | | | 123.9 | | |
| RF/DM 8.00 | 8000 | 53.9 | 53.1 | 52.3 | 54.5 | 55.8 | 64.0 | 54.3 | 56.6 | 54.5 | 67.2 | 64.3 | 64.7 | 63.7 | 64.7 | | | 126.5 | | |
| | 10000 | 56.0 | 54.1 | 54.2 | 55.7 | 57.4 | 59.5 | 56.3 | 58.5 | 55.9 | 69.9 | 66.3 | 67.0 | 66.3 | 67.2 | | | 130.9 | | |
| OVERALL CALCULATED | | 87.6 | 88.6 | 89.3 | 89.2 | 90.3 | 90.9 | 91.9 | 93.3 | 93.9 | 95.7 | 96.8 | 98.6 | 98.5 | 100.0 | | | 153.5 | | |
| PND8 | | 93.2 | 95.8 | 96.3 | 96.2 | 97.2 | 98.5 | 98.5 | 100.1 | 102.0 | 103.4 | 104.1 | 102.6 | 100.7 | 101.1 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| REV, ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | (0, 0, 0) | | |
|--------------------|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-----------|-----------|-----------|-----------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | (0, 0, 0) | (0, 0, 0) | (0, 0, 0) | (0, 0, 0) | (0, 0, 0) |
| NO EGA | 50 | 52.8 | 52.6 | 57.8 | 58.7 | 61.2 | 61.7 | 62.7 | 64.3 | 64.6 | 65.4 | 63.0 | 66.4 | 67.4 | 64.3 | | | | | |
| SIDELINE 2400, FT | 63 | 50.6 | 53.2 | 57.0 | 57.0 | 58.5 | 60.5 | 62.0 | 62.9 | 63.7 | 64.0 | 64.4 | 69.0 | 67.4 | 66.1 | | | | | |
| (731.52 M) | 80 | 51.8 | 55.5 | 58.6 | 58.2 | 60.9 | 61.1 | 62.9 | 63.7 | 64.1 | 63.7 | 64.3 | 67.1 | 66.4 | 67.2 | | | | | |
| NFA | 100 | 53.0 | 56.1 | 57.7 | 59.4 | 60.9 | 60.8 | 61.9 | 64.4 | 64.4 | 66.4 | 67.5 | 67.4 | 65.8 | 64.7 | | | | | |
| (0, RAD/SEC) | 125 | 54.0 | 55.4 | 58.2 | 59.0 | 60.8 | 62.4 | 64.0 | 64.6 | 64.7 | 66.1 | 65.1 | 66.9 | 64.3 | 59.9 | | | | | |
| NFK | 160 | 51.9 | 53.6 | 57.6 | 58.5 | 60.4 | 61.8 | 63.4 | 64.6 | 64.1 | 65.3 | 66.1 | 67.6 | 62.9 | 56.6 | | | | | |
| (0, RAD/SEC) | 200 | 51.7 | 55.1 | 57.5 | 58.3 | 60.4 | 61.7 | 63.2 | 63.7 | 63.2 | 64.8 | 65.2 | 64.4 | 60.1 | 53.5 | | | | | |
| NFD | 250 | 52.7 | 53.2 | 55.7 | 59.0 | 60.6 | 61.0 | 61.8 | 62.7 | 62.9 | 63.7 | 64.1 | 63.2 | 57.7 | 52.0 | | | | | |
| (0, RAD/SEC) | 315 | 51.0 | 54.4 | 56.4 | 56.6 | 58.8 | 59.6 | 60.7 | 62.0 | 62.5 | 63.2 | 62.6 | 61.8 | 55.3 | 48.6 | | | | | |
| AIRFLOW RATIO | 400 | 49.2 | 53.8 | 55.3 | 57.0 | 58.5 | 59.7 | 60.5 | 61.7 | 61.2 | 62.6 | 61.9 | 60.3 | 52.9 | 46.4 | | | | | |
| WF/WM 8.00 | 500 | 47.3 | 52.3 | 53.6 | 55.7 | 57.7 | 59.1 | 59.8 | 61.2 | 62.1 | 61.8 | 61.4 | 58.4 | 50.7 | 44.0 | | | | | |
| | 630 | 45.3 | 51.4 | 53.4 | 55.2 | 56.6 | 56.4 | 59.3 | 60.6 | 60.6 | 61.1 | 61.2 | 57.3 | 49.3 | 42.8 | | | | | |
| VEHICLE JENOTS | 800 | 43.6 | 50.4 | 52.8 | 54.6 | 56.6 | 58.2 | 58.3 | 59.6 | 59.8 | 59.9 | 57.4 | 55.0 | 47.7 | 40.3 | | | | | |
| CONFIG JE-057 | 1000 | 41.5 | 47.3 | 52.0 | 53.5 | 55.8 | 57.0 | 58.1 | 59.6 | 60.3 | 61.7 | 59.6 | 53.7 | 46.2 | 39.4 | | | | | |
| LOC EVENDALE | 1250 | 39.6 | 47.9 | 51.3 | 53.1 | 54.9 | 56.0 | 56.3 | 58.6 | 58.9 | 60.0 | 60.3 | 51.2 | 45.3 | 36.7 | | | | | |
| DATE 04-29-75 | 1600 | 35.7 | 44.8 | 48.3 | 49.7 | 51.8 | 53.0 | 53.8 | 55.2 | 55.9 | 57.1 | 56.5 | 47.8 | 40.5 | 31.0 | | | | | |
| RUN DBTF-MODEL 6 | 2000 | 30.3 | 39.5 | 43.1 | 44.8 | 47.4 | 48.4 | 50.0 | 51.2 | 51.5 | 51.8 | 50.3 | 43.0 | 34.8 | 22.9 | | | | | |
| TAPE X60430 | 2500 | 21.9 | 32.4 | 36.7 | 39.5 | 41.4 | 43.2 | 44.6 | 45.9 | 46.6 | 46.5 | 44.2 | 35.8 | 26.9 | 12.6 | | | | | |
| FAN TIP SPEED | 3150 | 11.9 | 24.1 | 29.2 | 32.6 | 34.7 | 36.3 | 38.0 | 38.9 | 39.1 | 38.6 | 35.2 | 27.1 | 16.6 | | | | | | |
| FT/SEC | 4000 | | 11.5 | 17.8 | 22.3 | 24.3 | 31.1 | 29.6 | 30.1 | 29.5 | 29.3 | 25.1 | 15.0 | 3.7 | | | | | | |
| | 5000 | | 3.7 | 10.4 | 15.2 | 18.0 | 28.5 | 21.7 | 22.9 | 22.0 | 22.6 | 17.0 | 7.7 | | | | | | | |
| | 6300 | | | | 3.2 | 7.8 | 22.0 | 10.2 | 10.7 | 9.1 | 14.5 | 6.5 | | | | | | | | |
| | 8000 | | | | | | 6.7 | | | | 2.5 | | | | | | | | | |
| OVERALL CALCULATED | 10000 | 82.4 | 65.5 | 68.0 | 69.2 | 71.1 | 72.1 | 73.3 | 74.5 | 74.6 | 75.6 | 75.5 | 76.3 | 74.2 | 72.3 | | | | | |
| PND8 | | 82.7 | 67.9 | 70.4 | 72.1 | 74.0 | 75.5 | 76.4 | 77.7 | 77.8 | 78.8 | 78.1 | 76.2 | 70.7 | 66.2 | | | | | |

| | | ANGLES FROM INCHES TO IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|--|
| REV, ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | 50 | 82.9 | 78.5 | 83.0 | 84.2 | 86.4 | 85.0 | 87.3 | 88.8 | 90.1 | 91.8 | 91.0 | 95.5 | 99.0 | 99.4 | - | - | - | 150.5 | |
| NO EGA | 63 | 77.8 | 78.3 | 79.6 | 78.8 | 79.2 | 80.1 | 82.2 | 83.2 | 84.9 | 86.7 | 89.5 | 96.4 | 98.6 | 98.3 | - | - | - | 149.1 | |
| RDG, NO. | 80 | 79.1 | 79.2 | 80.5 | 78.5 | 80.7 | 80.0 | 82.6 | 83.9 | 85.7 | 87.5 | 90.2 | 95.1 | 97.7 | 101.1 | - | - | - | 149.5 | |
| RADIAL 320, FT. | 100 | 78.7 | 79.7 | 79.9 | 80.0 | 80.8 | 80.5 | 82.2 | 84.6 | 86.3 | 89.5 | 92.5 | 94.8 | 95.5 | 97.7 | - | - | - | 148.4 | |
| (98, M) | 125 | 79.8 | 78.6 | 80.3 | 79.9 | 80.8 | 81.2 | 83.4 | 84.8 | 86.4 | 89.6 | 91.2 | 92.7 | 92.8 | 92.9 | - | - | - | 146.6 | |
| VEHICLE JENOTS | 160 | 78.7 | 78.4 | 79.9 | 79.0 | 80.7 | 81.9 | 83.4 | 84.9 | 85.4 | 88.9 | 92.1 | 95.5 | 92.2 | 89.4 | - | - | - | 147.0 | |
| CONFIG JE-057 | 200 | 77.5 | 76.7 | 78.9 | 79.5 | 80.8 | 82.0 | 83.3 | 84.7 | 85.3 | 88.2 | 90.8 | 91.5 | 89.4 | 86.5 | - | - | - | 145.2 | |
| LOC EVENDALE | 250 | 78.3 | 77.8 | 78.3 | 80.1 | 80.7 | 81.6 | 82.8 | 84.1 | 85.5 | 87.6 | 89.7 | 90.0 | 86.6 | 85.0 | - | - | - | 144.2 | |
| DATE 04-29-75 | 315 | 77.0 | 77.5 | 78.0 | 77.7 | 79.1 | 80.4 | 80.9 | 83.4 | 85.0 | 87.1 | 87.5 | 88.9 | 84.4 | 82.0 | - | - | - | 142.9 | |
| RUN DBTF-MODEL 8 | 400 | 75.3 | 77.1 | 77.2 | 77.7 | 78.6 | 79.5 | 80.5 | 82.6 | 83.3 | 85.8 | 87.1 | 87.3 | 83.0 | 80.6 | - | - | - | 141.9 | |
| TAPE X60468 | 500 | 73.3 | 75.4 | 75.4 | 76.0 | 77.3 | 78.5 | 79.8 | 81.6 | 82.7 | 85.1 | 85.2 | 84.2 | 79.2 | 76.9 | - | - | - | 140.4 | |
| BAR 29.9 HG | 630 | 73.6 | 75.2 | 75.5 | 75.7 | 76.2 | 77.7 | 79.4 | 81.4 | 82.5 | 84.6 | 84.4 | 83.0 | 77.1 | 75.2 | - | - | - | 139.9 | |
| (01039, N/M2) | 800 | 74.6 | 75.7 | 75.4 | 75.7 | 76.8 | 78.3 | 78.8 | 80.8 | 81.4 | 83.1 | 82.7 | 81.1 | 76.7 | 75.5 | - | - | - | 139.0 | |
| TAMB 59, DEG F | 1000 | 71.4 | 74.2 | 74.7 | 74.6 | 76.1 | 77.0 | 77.9 | 79.8 | 80.9 | 82.8 | 81.3 | 78.6 | 74.8 | 73.3 | - | - | - | 138.1 | |
| (288, DEG K) | 1250 | 70.6 | 73.8 | 74.4 | 74.7 | 75.4 | 76.0 | 76.9 | 78.9 | 79.8 | 81.3 | 80.8 | 76.6 | 73.8 | 72.9 | - | - | - | 137.2 | |
| THET 53, DEG F | 1600 | 69.2 | 71.5 | 72.9 | 72.6 | 73.0 | 74.0 | 75.3 | 77.4 | 78.3 | 79.7 | 78.8 | 75.5 | 71.7 | 71.6 | - | - | - | 135.7 | |
| (285, DEG K) | 2000 | 67.1 | 69.2 | 69.7 | 69.3 | 70.9 | 71.9 | 73.3 | 75.8 | 76.3 | 77.5 | 76.1 | 72.9 | 69.2 | 68.3 | - | - | - | 133.7 | |
| HACT 8.91 GM/M3 | 2500 | 63.7 | 65.3 | 66.2 | 66.3 | 67.5 | 68.7 | 70.4 | 72.6 | 74.0 | 74.8 | 73.7 | 69.4 | 66.2 | 66.0 | - | - | - | 131.1 | |
| (.00891 KG/M3) | 3150 | 60.7 | 62.6 | 62.9 | 63.0 | 63.8 | 65.5 | 66.7 | 69.4 | 70.7 | 71.2 | 69.4 | 66.3 | 63.2 | 67.1 | - | - | - | 128.2 | |
| FREQ, SHIFT | 4000 | 56.0 | 58.5 | 58.6 | 58.0 | 58.8 | 62.1 | 62.4 | 65.1 | 65.8 | 67.5 | 65.4 | 62.8 | 59.8 | 66.2 | - | - | - | 124.9 | |
| JET 9 | 5000 | 54.9 | 55.6 | 54.1 | 54.6 | 55.5 | 58.5 | 57.0 | 61.6 | 62.2 | 64.3 | 61.7 | 60.6 | 58.6 | 68.1 | - | - | - | 122.5 | |
| DIAMETER RATIO | 6300 | 52.2 | 52.9 | 51.2 | 53.0 | 54.4 | 56.7 | 52.9 | 62.4 | 60.9 | 65.8 | 62.5 | 63.3 | 59.6 | 70.5 | - | - | - | 124.5 | |
| DF/DM 8.00 | 8000 | 52.2 | 53.4 | 52.0 | 55.0 | 56.0 | 58.0 | 53.3 | 65.6 | 63.0 | 69.2 | 64.8 | 65.5 | 62.4 | 73.2 | - | - | - | 129.1 | |
| | 10000 | 53.5 | 52.4 | 53.4 | 55.7 | 57.9 | 63.8 | 55.8 | 67.8 | 65.2 | 71.4 | 66.8 | 68.5 | 65.0 | 76.2 | - | - | - | 134.3 | |
| OVERALL CALCULATED | | 89.6 | 89.5 | 90.8 | 90.8 | 92.2 | 92.3 | 94.1 | 95.8 | 97.0 | 99.4 | 100.9 | 103.8 | 104.8 | 105.8 | - | - | - | 137.8 | |
| PND8 | | 93.9 | 95.0 | 95.8 | 95.8 | 96.8 | 97.9 | 99.0 | 101.5 | 102.3 | 104.5 | 105.1 | 106.0 | 104.0 | 105.7 | - | - | - | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL, HUM, DAY)

| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) |
| | | | 59.1 | 56.9 | 63.8 | 65.2 | 68.2 | 67.2 | 69.7 | 71.0 | 71.8 | 72.9 | 71.0 | 73.9 | 75.1 | 72.1 | | | |
| --- | NO EGA | 50 | 59.1 | 56.9 | 63.8 | 65.2 | 68.2 | 67.2 | 69.7 | 71.0 | 71.8 | 72.9 | 71.0 | 73.9 | 75.1 | 72.1 | | | |
| --- | SIDELINE 2400, FT: | 63 | 53.9 | 56.7 | 59.5 | 59.8 | 61.0 | 62.3 | 64.5 | 63.4 | 66.7 | 67.7 | 69.4 | 74.7 | 74.6 | 70.9 | | | |
| --- | (731.52 M) | 80 | 55.0 | 57.5 | 60.3 | 59.4 | 62.4 | 62.1 | 64.9 | 66.0 | 67.4 | 68.4 | 70.1 | 73.3 | 73.6 | 73.5 | | | |
| --- | NFA | 100 | 54.5 | 57.8 | 59.7 | 60.9 | 62.4 | 62.6 | 64.4 | 66.7 | 67.9 | 70.4 | 72.2 | 72.9 | 71.3 | 69.9 | | | |
| --- | (0, RPM | 125 | 55.5 | 56.7 | 59.9 | 60.7 | 62.3 | 63.2 | 65.5 | 66.8 | 67.9 | 70.4 | 70.9 | 70.7 | 68.5 | 64.9 | | | |
| --- | (0, RAD/SEC) | 160 | 54.2 | 56.3 | 59.4 | 59.7 | 62.2 | 63.8 | 65.4 | 66.8 | 68.9 | 69.6 | 71.6 | 73.4 | 67.6 | 61.1 | | | |
| --- | NFK | 200 | 52.7 | 56.4 | 58.3 | 60.0 | 62.1 | 63.7 | 65.2 | 66.5 | 68.7 | 68.8 | 70.2 | 69.1 | 64.6 | 57.7 | | | |
| --- | (0, RAD/SEC) | 250 | 53.2 | 55.2 | 57.4 | 60.5 | 61.9 | 63.2 | 64.5 | 65.7 | 66.6 | 68.0 | 68.8 | 67.4 | 61.5 | 55.8 | | | |
| --- | NFD | 315 | 51.5 | 54.6 | 56.9 | 57.8 | 60.0 | 61.8 | 62.5 | 64.8 | 66.0 | 67.2 | 66.4 | 66.0 | 58.8 | 52.1 | | | |
| --- | (0, RAD/SEC) | 400 | 49.2 | 53.8 | 55.8 | 57.5 | 59.2 | 60.7 | 61.8 | 63.7 | 63.9 | 65.6 | 65.7 | 64.0 | 56.9 | 49.9 | | | |
| --- | AIRFLOW RATIO | 500 | 46.6 | 51.6 | 53.6 | 55.5 | 57.7 | 59.3 | 60.8 | 62.5 | 63.1 | 64.6 | 63.4 | 60.4 | 52.5 | 45.3 | | | |
| --- | WF/WM 8.00 | 630 | 46.0 | 50.7 | 53.1 | 54.7 | 56.1 | 58.2 | 60.0 | 61.8 | 62.4 | 63.6 | 62.0 | 58.6 | 49.5 | 42.3 | | | |
| --- | | 800 | 45.9 | 50.4 | 52.3 | 54.1 | 56.1 | 58.2 | 58.8 | 60.6 | 60.8 | 61.4 | 59.6 | 55.7 | 48.0 | 40.8 | | | |
| --- | VEHICLE JENOTS | 1000 | 41.2 | 47.8 | 50.7 | 52.3 | 54.8 | 56.2 | 57.3 | 59.1 | 59.6 | 60.4 | 57.3 | 52.2 | 44.7 | 36.6 | | | |
| --- | CONFIG JE-052 | 1250 | 38.8 | 46.2 | 49.3 | 51.4 | 53.2 | 54.5 | 55.5 | 57.4 | 57.6 | 58.0 | 55.8 | 49.0 | 42.0 | 33.7 | | | |
| --- | LOC EVENDALE | 1600 | 35.0 | 42.0 | 46.3 | 48.0 | 49.6 | 51.3 | 52.8 | 54.7 | 54.9 | 55.1 | 52.3 | 46.0 | 37.5 | 28.8 | | | |
| --- | DATE 04-29-75 | 2000 | 30.0 | 37.5 | 41.3 | 43.1 | 46.1 | 47.9 | 49.5 | 51.7 | 51.5 | 51.3 | 47.8 | 41.2 | 32.1 | 21.1 | | | |
| --- | RUN DBTF-MODEL 8 | 2500 | 22.4 | 30.4 | 35.2 | 37.8 | 40.6 | 42.7 | 44.6 | 46.6 | 47.1 | 46.3 | 42.7 | 34.5 | 24.9 | 12.6 | | | |
| --- | TAPE X60468 | 3150 | 12.6 | 22.6 | 27.7 | 30.8 | 33.5 | 36.3 | 37.8 | 40.2 | 40.4 | 39.1 | 34.2 | 26.3 | 15.1 | 3.7 | | | |
| --- | FAN TIP SPEED | 4000 | | 18.8 | 17.0 | 20.3 | 23.5 | 28.1 | 28.9 | 31.1 | 30.5 | 29.8 | 23.8 | 15.0 | 1.7 | | | | |
| --- | FT/SEC | 5000 | | 3.4 | 8.9 | 13.7 | 17.2 | 21.7 | 20.7 | 24.9 | 24.0 | 23.4 | 16.5 | 8.5 | | | | | |
| --- | | 6300 | | | | 2.7 | 7.6 | 11.8 | 8.7 | 17.5 | 14.1 | 15.5 | 6.5 | | | | | | |
| --- | | 8000 | | | | | | 0.7 | | 8.2 | 3.1 | 4.5 | | | | | | | |
| --- | | 10000 | | | | | | | | | | | | | | | | | |
| --- | OVERALL CALCULATED | | 84.8 | 68.8 | 70.0 | 71.2 | 73.4 | 74.0 | 75.9 | 77.3 | 78.1 | 79.8 | 80.3 | 81.8 | 80.7 | 78.2 | | | |
| --- | PNDB | | 83.6 | 68.0 | 70.8 | 72.5 | 74.6 | 76.1 | 77.6 | 79.5 | 80.1 | 81.3 | 81.2 | 80.7 | 75.5 | 71.6 | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC DATE = MONTH 5 DAY 5 HR 15.0
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 59, DEG F, 70 PERCENT REL HUM, DAY = JENOTS

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0.0 0.0 0.0 | | | RWL |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|-------------|-------|--|-----|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | | |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | | | | | | |
| | 50 | 84.9 | 81.2 | 82.8 | 85.9 | 86.9 | 87.0 | 89.1 | 90.8 | 92.1 | 95.1 | 96.0 | 101.3 | 103.5 | 103.1 | | | | 134.5 | | |
| NO EGA | 63 | 83.8 | 83.8 | 84.6 | 83.3 | 84.0 | 85.1 | 86.7 | 88.7 | 89.7 | 91.9 | 95.5 | 102.9 | 104.8 | 102.8 | | | | 134.9 | | |
| RDG. NO. 0. | 80 | 85.3 | 85.0 | 85.5 | 83.7 | 85.2 | 85.3 | 87.1 | 88.9 | 91.4 | 92.7 | 97.5 | 103.1 | 104.2 | 107.1 | | | | 136.0 | | |
| RADIAL 320, FT. | 100 | 85.0 | 84.7 | 84.9 | 85.0 | 85.3 | 85.3 | 86.4 | 89.6 | 90.8 | 94.3 | 98.5 | 101.5 | 102.2 | 105.5 | | | | 134.9 | | |
| (98, M) | 125 | 86.8 | 84.4 | 85.8 | 84.6 | 84.8 | 86.2 | 88.4 | 90.1 | 91.4 | 95.1 | 97.7 | 99.7 | 100.8 | 101.9 | | | | 133.5 | | |
| VEHICLE JENOTS | 160 | 84.7 | 84.4 | 84.6 | 84.8 | 85.5 | 86.7 | 88.9 | 90.2 | 90.9 | 95.1 | 98.6 | 100.7 | 99.9 | 98.9 | | | | 133.3 | | |
| CONFIG JE-057 | 200 | 82.8 | 84.0 | 83.9 | 84.2 | 85.8 | 87.0 | 88.3 | 90.5 | 91.3 | 94.2 | 97.6 | 97.7 | 97.6 | 96.5 | | | | 131.7 | | |
| LOC EVELDALE | 250 | 83.8 | 83.1 | 82.8 | 85.6 | 86.7 | 87.1 | 88.0 | 89.8 | 91.7 | 94.1 | 96.2 | 96.7 | 94.8 | 96.0 | | | | 130.9 | | |
| DATE 04-29-75 | 315 | 82.3 | 83.0 | 83.2 | 82.9 | 84.1 | 85.4 | 86.9 | 89.1 | 91.3 | 93.3 | 94.2 | 94.9 | 91.9 | 92.7 | | | | 149.3 | | |
| RUN DBTF-MODEL 6 | 400 | 80.8 | 81.9 | 82.2 | 83.2 | 83.8 | 84.8 | 86.0 | 88.6 | 89.8 | 92.6 | 93.4 | 93.1 | 90.8 | 90.6 | | | | 148.2 | | |
| TAPE X60498 | 500 | 78.3 | 79.6 | 79.9 | 81.0 | 82.1 | 83.7 | 84.8 | 87.4 | 88.5 | 91.3 | 91.5 | 90.2 | 87.0 | 86.7 | | | | 146.4 | | |
| BAR 29.6 HG | 630 | 77.4 | 78.9 | 79.0 | 80.0 | 81.2 | 83.0 | 84.7 | 87.2 | 88.7 | 90.9 | 90.4 | 89.0 | 84.6 | 83.0 | | | | 143.7 | | |
| (01039, N/M2) | 800 | 75.9 | 75.2 | 76.4 | 80.0 | 81.5 | 82.8 | 83.5 | 86.0 | 87.7 | 89.3 | 89.0 | 86.8 | 82.5 | 80.0 | | | | 144.5 | | |
| TAMR 59, DEG F | 1000 | 75.4 | 77.4 | 77.4 | 79.2 | 80.4 | 82.0 | 83.1 | 85.6 | 86.4 | 88.5 | 87.6 | 84.9 | 81.3 | 78.0 | | | | 143.6 | | |
| (288, DEG K) | 1250 | 74.7 | 76.1 | 76.9 | 78.2 | 79.7 | 80.3 | 82.2 | 85.0 | 85.8 | 87.3 | 86.8 | 82.7 | 79.6 | 76.7 | | | | 142.7 | | |
| THET 53, DEG F | 1600 | 72.5 | 74.3 | 74.9 | 76.1 | 77.5 | 79.3 | 80.8 | 83.9 | 84.6 | 86.2 | 84.6 | 82.1 | 77.3 | 74.9 | | | | 141.5 | | |
| (285, DEG K) | 2000 | 69.7 | 72.0 | 72.5 | 73.3 | 75.5 | 77.3 | 79.1 | 81.4 | 83.2 | 83.8 | 82.7 | 79.8 | 75.5 | 72.4 | | | | 139.6 | | |
| HACT 8.91 GM/M3 | 2500 | 66.6 | 68.4 | 69.1 | 69.9 | 71.9 | 73.8 | 75.9 | 78.0 | 80.3 | 81.3 | 80.0 | 77.0 | 72.6 | 69.9 | | | | 137.0 | | |
| (.00891, KG/M3) | 3150 | 62.5 | 65.2 | 66.0 | 66.6 | 68.1 | 70.6 | 72.5 | 74.8 | 76.8 | 77.3 | 76.0 | 73.9 | 70.8 | 69.5 | | | | 134.0 | | |
| FREQ. SHIFT | 4000 | 57.3 | 60.1 | 60.2 | 61.4 | 62.4 | 66.0 | 68.0 | 70.7 | 71.1 | 73.1 | 72.5 | 70.6 | 68.6 | 67.3 | | | | 130.4 | | |
| JET 9 | 5000 | 54.2 | 55.7 | 56.2 | 56.7 | 58.0 | 61.1 | 62.8 | 65.2 | 66.6 | 67.9 | 70.1 | 69.5 | 68.4 | 69.4 | | | | 127.4 | | |
| DIA METER RATIO | 6300 | 53.8 | 53.0 | 52.2 | 53.3 | 54.2 | 60.5 | 61.5 | 63.7 | 62.7 | 67.6 | 72.3 | 72.3 | 71.2 | 72.0 | | | | 129.7 | | |
| DF/DM 8.00 | 8000 | 55.7 | 53.6 | 53.0 | 54.0 | 54.6 | 63.1 | 63.5 | 66.1 | 63.6 | 69.7 | 74.8 | 74.7 | 73.7 | 74.5 | | | | 133.9 | | |
| | 10000 | 56.7 | 54.6 | 54.1 | 54.9 | 56.4 | 65.3 | 66.3 | 69.0 | 65.7 | 72.4 | 77.2 | 77.5 | 76.5 | 76.9 | | | | 139.2 | | |
| OVERALL CALCULATED | | 94.7 | 94.3 | 94.8 | 95.2 | 96.2 | 97.1 | 98.7 | 100.8 | 102.1 | 104.8 | 107.2 | 110.3 | 111.1 | 112.1 | | | | 163.7 | | |
| PND8 | | 98.6 | 99.1 | 99.4 | 100.4 | 101.6 | 102.9 | 104.5 | 107.0 | 108.2 | 110.4 | 111.8 | 112.3 | 111.2 | 112.1 | | | | | | |

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ORIGINAL PAGE
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, NUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV, ALPHA 12/73 | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) |
| NO EGA | 50 | 61.1 | 59.6 | 62.8 | 67.0 | 68.7 | 69.2 | 71.4 | 73.0 | 73.8 | 76.1 | 76.0 | 79.7 | 79.6 | 75.8 | | | |
| SIDELINE 2400, FT | 63 | 59.9 | 62.2 | 64.5 | 64.3 | 65.7 | 67.3 | 69.0 | 70.9 | 71.4 | 73.0 | 75.4 | 81.2 | 80.9 | 75.4 | | | |
| (731.52 M) | 80 | 61.3 | 63.2 | 65.3 | 64.7 | 66.9 | 67.4 | 69.4 | 71.0 | 73.1 | 73.7 | 77.3 | 81.3 | 80.1 | 79.5 | | | |
| NFA | 100 | 60.8 | 62.8 | 64.7 | 65.9 | 66.9 | 67.3 | 68.6 | 71.7 | 72.4 | 75.1 | 78.2 | 79.7 | 78.0 | 77.7 | | | |
| (0, RPM) | 125 | 62.5 | 62.4 | 65.4 | 65.5 | 66.3 | 68.2 | 70.5 | 72.1 | 72.9 | 75.9 | 77.4 | 77.7 | 76.5 | 73.9 | | | |
| (0, RAD/SEC) | 160 | 60.2 | 62.3 | 64.1 | 65.5 | 66.9 | 68.6 | 70.9 | 72.1 | 72.4 | 75.8 | 78.1 | 78.6 | 75.4 | 70.6 | | | |
| NFK | 200 | 58.0 | 61.6 | 63.3 | 64.8 | 67.1 | 68.7 | 70.2 | 72.2 | 72.7 | 74.8 | 77.0 | 75.4 | 72.8 | 67.7 | | | |
| (0, RAD/SEC) | 250 | 58.7 | 60.5 | 61.9 | 66.0 | 67.9 | 68.7 | 69.8 | 71.4 | 72.9 | 74.5 | 75.3 | 74.2 | 69.7 | 66.8 | | | |
| NFD | 315 | 56.7 | 60.1 | 62.1 | 63.1 | 65.0 | 66.8 | 68.5 | 70.5 | 72.2 | 73.4 | 73.1 | 72.0 | 66.3 | 62.8 | | | |
| (0, RAD/SEC) | 400 | 54.6 | 58.5 | 60.8 | 63.0 | 64.5 | 65.9 | 67.3 | 69.7 | 70.4 | 72.4 | 71.9 | 69.8 | 64.7 | 59.9 | | | |
| AIRFLOW RATIO | 500 | 51.6 | 55.8 | 58.1 | 60.5 | 62.4 | 64.6 | 65.8 | 68.2 | 68.8 | 70.8 | 69.6 | 66.4 | 60.2 | 55.0 | | | |
| WF/WM 8.00 | 630 | 49.8 | 54.5 | 56.6 | 59.0 | 61.1 | 63.4 | 65.3 | 67.6 | 68.6 | 69.9 | 68.0 | 64.6 | 57.0 | 50.0 | | | |
| | 800 | 47.1 | 52.9 | 55.3 | 58.4 | 60.9 | 62.7 | 63.6 | 65.9 | 67.0 | 67.7 | 65.9 | 61.5 | 53.7 | 45.3 | | | |
| VEHICLE JENOTS | 1000 | 45.3 | 51.1 | 53.5 | 56.8 | 59.1 | 61.2 | 62.6 | 64.8 | 65.1 | 66.2 | 63.6 | 58.5 | 51.2 | 41.4 | | | |
| CONFIG JE-057 | 1250 | 42.9 | 48.5 | 51.9 | 54.9 | 57.5 | 58.8 | 60.8 | 63.4 | 63.7 | 64.1 | 61.8 | 55.0 | 47.8 | 37.5 | | | |
| LOC EVENDALE | 1600 | 38.3 | 44.8 | 48.4 | 51.5 | 54.1 | 56.6 | 58.3 | 61.2 | 61.2 | 61.6 | 58.1 | 52.6 | 43.0 | 32.1 | | | |
| DATE 04-29-75 | 2000 | 32.6 | 40.3 | 44.2 | 47.1 | 50.7 | 53.2 | 55.3 | 57.3 | 58.3 | 57.6 | 54.4 | 48.1 | 38.4 | 25.2 | | | |
| RUN DBTF-MODEL 6 | 2500 | 25.3 | 33.5 | 38.1 | 41.4 | 45.0 | 47.8 | 50.2 | 51.9 | 53.4 | 52.9 | 49.0 | 42.1 | 31.2 | 18.4 | | | |
| TAPE X60498 | 3150 | 24.5 | 25.2 | 30.8 | 34.4 | 37.8 | 41.4 | 43.6 | 45.5 | 46.5 | 45.2 | 40.8 | 33.9 | 22.7 | 6.0 | | | |
| FAN TIP SPEED | 4000 | | 12.4 | 18.6 | 23.7 | 27.1 | 32.0 | 34.5 | 36.7 | 38.8 | 35.4 | 30.9 | 22.9 | 10.5 | | | | |
| FT/SEC | 5000 | | 8.5 | 10.9 | 15.8 | 19.8 | 24.3 | 26.5 | 28.4 | 28.3 | 27.0 | 24.8 | 17.3 | 4.4 | | | | |
| | 6300 | | | | 3.0 | 7.4 | 15.6 | 17.2 | 18.8 | 15.9 | 17.3 | 16.3 | 7.0 | | | | | |
| | 8000 | | | | | 5.7 | 7.0 | 8.8 | 8.6 | 5.0 | 2.2 | | | | | | | |
| OVERALL CALCULATED | 10000 | 70.0 | 71.9 | 74.1 | 75.6 | 77.3 | 78.5 | 80.3 | 82.2 | 85.1 | 85.2 | 86.6 | 88.3 | 87.0 | 84.3 | | | |
| PND8 | | 69.1 | 72.7 | 75.3 | 77.7 | 79.9 | 81.5 | 83.1 | 85.4 | 86.3 | 87.8 | 88.2 | 87.3 | 83.5 | 80.5 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-------|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | PWL | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | | |
| REV, ALPHA 12/73 | FREQ | 50 | 82.7 | 80.0 | 81.8 | 83.4 | 84.9 | 87.1 | 88.8 | 90.6 | 94.3 | 94.3 | 99.5 | 102.7 | 102.9 | | | | 153.5 | |
| NO EGA | | 63 | 82.1 | 83.6 | 83.6 | 82.0 | 83.0 | 83.9 | 86.0 | 87.5 | 89.4 | 91.4 | 94.7 | 101.1 | 103.6 | 104.8 | | | 154.4 | |
| RDG: NO. C. | | 80 | 82.8 | 83.7 | 83.7 | 82.2 | 84.0 | 83.8 | 85.9 | 88.4 | 90.7 | 92.0 | 95.7 | 101.1 | 103.2 | 109.1 | | | 156.1 | |
| RADIAL 320, FT. | | 100 | 82.7 | 83.2 | 83.6 | 83.3 | 84.0 | 84.0 | 85.9 | 88.4 | 90.0 | 94.0 | 97.2 | 100.0 | 100.7 | 103.0 | | | 153.3 | |
| (98. M) | | 125 | 83.6 | 81.9 | 83.3 | 82.7 | 84.0 | 85.2 | 86.9 | 88.6 | 90.4 | 94.1 | 96.0 | 97.2 | 97.4 | 98.7 | | | 151.1 | |
| VEHICLE JENOTS | | 160 | 82.2 | 81.7 | 83.1 | 83.3 | 84.5 | 85.2 | 86.9 | 88.7 | 89.9 | 93.6 | 96.6 | 98.2 | 94.9 | 96.2 | | | 150.9 | |
| CONFIG JE-057 | | 200 | 80.5 | 82.0 | 82.4 | 83.5 | 85.1 | 85.5 | 86.8 | 89.7 | 90.1 | 92.7 | 95.6 | 95.2 | 93.1 | 93.2 | | | 149.5 | |
| LOC EVENDALE | | 250 | 81.1 | 81.3 | 82.0 | 83.9 | 84.2 | 85.8 | 86.8 | 88.6 | 90.0 | 92.1 | 93.9 | 93.7 | 91.3 | 92.3 | | | 148.5 | |
| DATE 04-29-75 | | 315 | 80.0 | 81.5 | 82.5 | 81.4 | 82.6 | 83.9 | 85.4 | 87.6 | 90.0 | 91.8 | 91.7 | 91.9 | 88.9 | 88.7 | | | 147.2 | |
| RUN DBTF-MODEL 6 | | 400 | 79.0 | 80.9 | 81.2 | 81.9 | 82.8 | 84.3 | 85.0 | 87.1 | 88.5 | 91.3 | 90.6 | 90.1 | 86.8 | 88.8 | | | 146.3 | |
| TAPE X60510 | | 500 | 77.3 | 79.9 | 80.9 | 80.7 | 82.6 | 83.7 | 85.3 | 87.1 | 88.7 | 89.8 | 88.7 | 87.0 | 83.5 | 84.2 | | | 145.2 | |
| BAR 29.7 HG | | 630 | 76.6 | 79.7 | 80.8 | 80.7 | 81.9 | 83.5 | 84.9 | 87.2 | 88.2 | 90.4 | 88.9 | 86.0 | 81.1 | 80.7 | | | 145.0 | |
| (1039, N/M2) | | 800 | 75.6 | 78.7 | 79.9 | 80.7 | 81.5 | 83.1 | 84.0 | 86.0 | 87.4 | 88.6 | 87.7 | 84.8 | 80.2 | 81.5 | | | 144.0 | |
| TMR 59, DEG F | | 1000 | 75.4 | 78.4 | 79.2 | 79.9 | 80.4 | 82.2 | 83.1 | 85.3 | 86.9 | 87.5 | 85.8 | 82.9 | 78.3 | 82.8 | | | 143.2 | |
| (288, DEG K) | | 1250 | 75.1 | 79.1 | 80.1 | 80.7 | 80.6 | 81.3 | 81.9 | 85.2 | 86.5 | 87.6 | 83.3 | 80.9 | 78.1 | 79.7 | | | 142.7 | |
| THET 53, DEG F | | 1600 | 73.7 | 79.0 | 80.9 | 79.3 | 79.7 | 81.2 | 81.3 | 84.1 | 85.6 | 86.2 | 82.6 | 79.8 | 77.7 | 82.4 | | | 142.1 | |
| (285, DEG K) | | 2000 | 71.6 | 78.7 | 77.9 | 77.0 | 77.7 | 77.9 | 79.3 | 81.6 | 83.8 | 83.7 | 80.9 | 77.4 | 75.9 | 75.3 | | | 140.0 | |
| HACT 8.91 GM/M3 | | 2500 | 67.0 | 78.0 | 73.5 | 73.0 | 73.0 | 74.5 | 76.4 | 78.6 | 80.8 | 81.0 | 78.4 | 73.9 | 72.2 | 73.5 | | | 137.2 | |
| (.00891 KG/M3) | | 3150 | 64.2 | 69.4 | 70.4 | 69.5 | 69.0 | 71.0 | 72.7 | 75.2 | 76.7 | 77.7 | 74.7 | 71.3 | 70.4 | 81.4 | | | 134.9 | |
| FREQ, SHIFT | | 4000 | 59.0 | 64.5 | 64.6 | 64.5 | 63.1 | 75.1 | 68.2 | 71.1 | 72.0 | 73.5 | 72.1 | 69.3 | 68.3 | 74.2 | | | 132.2 | |
| JET 9 | | 5000 | 56.6 | 60.1 | 60.1 | 60.4 | 59.5 | 63.0 | 63.5 | 66.4 | 67.0 | 68.8 | 70.2 | 68.9 | 68.6 | 71.6 | | | 128.1 | |
| DIAMETER RATIO | | 6300 | 54.7 | 55.7 | 55.4 | 55.7 | 56.4 | 67.7 | 61.7 | 64.1 | 63.1 | 68.0 | 72.0 | 71.8 | 70.6 | 76.0 | | | 130.6 | |
| DF/DN 8.00 | | 8000 | 55.2 | 54.1 | 53.5 | 55.0 | 56.5 | 71.0 | 63.3 | 66.1 | 63.3 | 69.7 | 74.8 | 74.5 | 73.7 | 82.2 | | | 136.2 | |
| | | 10000 | 57.0 | 54.9 | 54.4 | 56.2 | 57.9 | 67.5 | 66.1 | 68.5 | 64.9 | 72.4 | 76.8 | 77.5 | 76.0 | 77.5 | | | 139.1 | |
| OVERALL CALCULATED | | | 92.5 | 93.4 | 94.2 | 94.2 | 95.3 | 96.2 | 97.7 | 99.7 | 102.4 | 103.8 | 105.4 | 108.2 | 109.4 | 112.2 | | | 162.6 | |
| PND8 | | | 97.3 | 100.5 | 101.6 | 101.1 | 101.8 | 103.8 | 104.2 | 106.7 | 108.2 | 109.7 | 110.0 | 110.0 | 109.4 | 113.0 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 58.8 | 58.4 | 61.8 | 64.5 | 66.7 | 66.9 | 69.4 | 71.0 | 72.3 | 75.4 | 74.2 | 77.9 | 78.9 | 75.6 | | | |
| SIDELINE 2400 FT | 63 | 58.1 | 61.9 | 63.5 | 63.0 | 64.7 | 66.0 | 68.3 | 69.6 | 71.2 | 72.5 | 74.6 | 79.5 | 79.6 | 77.4 | | | |
| (731.52 M) | 80 | 58.8 | 62.0 | 63.6 | 63.2 | 65.7 | 65.9 | 68.1 | 70.5 | 72.4 | 72.9 | 75.6 | 79.3 | 79.1 | 81.5 | | | |
| NFA | 100 | 58.5 | 61.3 | 63.4 | 64.1 | 65.6 | 66.1 | 68.1 | 70.4 | 71.7 | 74.9 | 77.0 | 78.2 | 76.5 | 75.2 | | | |
| 0 RPM | 125 | 59.2 | 59.9 | 62.9 | 63.5 | 65.6 | 67.2 | 69.0 | 70.6 | 71.9 | 74.9 | 75.6 | 75.2 | 73.0 | 70.6 | | | |
| 0 RAD/SEC | 160 | 57.7 | 59.6 | 62.6 | 64.0 | 65.9 | 67.1 | 68.9 | 70.6 | 71.4 | 74.3 | 76.1 | 76.1 | 70.4 | 67.8 | | | |
| NFK | 200 | 55.7 | 59.6 | 61.8 | 64.0 | 66.4 | 67.2 | 68.7 | 70.5 | 71.4 | 73.3 | 75.0 | 72.9 | 68.3 | 64.5 | | | |
| 0 RPM | 250 | 55.9 | 58.7 | 61.2 | 64.3 | 65.4 | 67.5 | 68.5 | 70.2 | 71.1 | 72.5 | 73.1 | 71.2 | 66.2 | 63.0 | | | |
| 0 RAD/SEC | 315 | 54.5 | 58.6 | 61.4 | 61.6 | 63.5 | 65.3 | 67.0 | 69.0 | 71.0 | 71.9 | 70.6 | 69.0 | 63.3 | 58.9 | | | |
| NFD | 400 | 52.9 | 57.6 | 59.8 | 61.8 | 63.5 | 65.4 | 66.3 | 68.2 | 69.2 | 71.1 | 69.2 | 66.8 | 60.7 | 58.2 | | | |
| 0 RPM | 500 | 50.6 | 56.1 | 59.1 | 60.2 | 62.9 | 64.6 | 66.3 | 68.0 | 69.1 | 69.3 | 66.9 | 63.2 | 56.7 | 52.5 | | | |
| AIRFLOW RATIO | 630 | 49.0 | 55.2 | 58.4 | 59.7 | 61.8 | 63.9 | 65.5 | 67.6 | 68.1 | 69.4 | 66.5 | 61.6 | 53.5 | 47.8 | | | |
| WF/WM 8.00 | 800 | 46.9 | 53.4 | 56.8 | 59.1 | 60.9 | 63.0 | 64.1 | 65.9 | 66.8 | 66.9 | 64.6 | 59.5 | 51.5 | 46.8 | | | |
| VEHICLE JENOTS | 1000 | 45.2 | 52.0 | 55.2 | 57.5 | 59.1 | 61.5 | 62.6 | 64.6 | 65.6 | 65.2 | 61.8 | 56.5 | 48.2 | 46.1 | | | |
| CONFIG JE-057 | 1250 | 43.3 | 51.4 | 55.1 | 57.4 | 58.4 | 59.7 | 60.5 | 63.6 | 64.4 | 64.3 | 58.3 | 53.2 | 46.3 | 40.5 | | | |
| LOC EVENDALE | 1600 | 39.5 | 49.5 | 54.3 | 54.7 | 56.3 | 58.5 | 58.8 | 61.4 | 62.2 | 61.6 | 56.0 | 50.3 | 43.5 | 39.5 | | | |
| DATE 04-29-75 | 2000 | 34.5 | 48.0 | 49.6 | 50.8 | 52.9 | 53.9 | 55.5 | 57.5 | 59.0 | 57.5 | 52.7 | 45.7 | 38.8 | 28.1 | | | |
| RUN DBTF-MODEL 6 | 2500 | 25.7 | 38.1 | 42.5 | 44.5 | 46.1 | 48.5 | 50.6 | 52.6 | 53.8 | 52.5 | 47.4 | 39.0 | 30.9 | 20.1 | | | |
| TAPE X60510 | 3150 | 16.1 | 29.4 | 32.2 | 37.3 | 38.7 | 41.8 | 43.8 | 45.9 | 46.4 | 45.6 | 39.5 | 31.3 | 22.4 | 17.9 | | | |
| FAN TIP SPEED | 4000 | 0.8 | 15.8 | 23.0 | 26.8 | 27.8 | 41.1 | 34.6 | 37.1 | 38.7 | 35.8 | 30.6 | 21.5 | 10.2 | | | | |
| FT/SEC | 5000 | | 7.9 | 14.9 | 19.5 | 21.2 | 26.2 | 27.2 | 29.6 | 28.8 | 27.9 | 25.0 | 16.7 | 4.6 | | | | |
| | 6300 | | | | 5.4 | 9.6 | 22.8 | 17.4 | 19.2 | 18.3 | 17.7 | 16.0 | 6.5 | | | | | |
| | 8000 | | | | | | 13.7 | 6.7 | 8.7 | 3.3 | 5.0 | 2.2 | | | | | | |
| OVERALL CALCULATED | 10000 | | | | | | | | | | | | | | | | | |
| PNDP | | 87.7 | 78.6 | 73.0 | 74.3 | 76.2 | 77.4 | 79.2 | 81.0 | 82.2 | 84.1 | 84.9 | 86.3 | 85.3 | 84.6 | | | |
| | | 87.1 | 72.5 | 75.6 | 77.2 | 79.1 | 81.1 | 82.3 | 84.4 | 85.6 | 86.8 | 86.2 | 84.7 | 81.0 | 80.3 | | | |

| | | FULL SIZE SOUND PRESSURE LEVELS | | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | PWL | | | |
|--------------------|--------------|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--|--|-----|--|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL | | | | | | |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. -) | (0. -) | (0. -) | | | | | | |
| | | 50 | 91.7 | 89.2 | 89.8 | 91.2 | 92.2 | 93.2 | 94.3 | 96.6 | 98.3 | 102.3 | 103.8 | 110.8 | 114.7 | 111.6 | | | 183.9 | | | | | | |
| | NO EGA | 63 | 95.3 | 94.3 | 93.8 | 92.5 | 92.7 | 94.6 | 96.0 | 98.0 | 99.9 | 102.4 | 106.0 | 113.1 | 115.1 | 113.8 | | | 185.3 | | | | | | |
| RDG. NO. | 0. | 80 | 96.8 | 95.0 | 94.7 | 92.7 | 94.0 | 94.0 | 96.4 | 98.4 | 100.4 | 102.7 | 107.5 | 112.8 | 116.9 | 117.3 | | | 166.9 | | | | | | |
| RADIAL 320, FT. | | 100 | 95.2 | 94.7 | 93.9 | 94.3 | 95.0 | 95.0 | 96.2 | 99.4 | 100.8 | 104.8 | 108.5 | 111.8 | 112.5 | 114.5 | | | 164.8 | | | | | | |
| (98. M) | | 125 | 95.1 | 92.4 | 93.5 | 92.9 | 93.5 | 95.4 | 96.7 | 98.8 | 100.6 | 104.6 | 107.0 | 108.4 | 110.1 | 109.7 | | | 162.3 | | | | | | |
| VEHICLE | JENOTS | 160 | 92.5 | 92.7 | 92.9 | 93.0 | 93.7 | 95.4 | 96.7 | 98.7 | 100.2 | 104.1 | 107.3 | 107.7 | 106.2 | 108.9 | | | 161.1 | | | | | | |
| CONFIG | JE-057 | 200 | 91.1 | 92.0 | 91.9 | 93.0 | 94.1 | 95.5 | 97.3 | 99.0 | 100.1 | 103.8 | 105.8 | 105.0 | 102.9 | 102.5 | | | 159.6 | | | | | | |
| LOC | EVENDALE | 250 | 91.8 | 91.6 | 91.0 | 93.7 | 94.7 | 95.6 | 96.0 | 98.3 | 99.7 | 102.6 | 104.4 | 104.3 | 102.1 | 101.3 | | | 158.8 | | | | | | |
| DATE | 04-29-75 | 315 | 90.6 | 91.8 | 92.3 | 91.7 | 92.9 | 94.4 | 96.0 | 97.9 | 99.8 | 102.3 | 102.8 | 102.7 | 100.2 | 98.7 | | | 157.7 | | | | | | |
| RUN | DBTF-MODEL 6 | 400 | 89.8 | 91.4 | 91.5 | 92.7 | 93.1 | 94.6 | 95.3 | 97.9 | 99.1 | 101.4 | 101.7 | 101.4 | 99.3 | 98.4 | | | 157.0 | | | | | | |
| TAPE | X60520 | 500 | 88.5 | 90.5 | 91.3 | 92.6 | 93.9 | 95.1 | 95.9 | 98.2 | 100.1 | 100.4 | 100.3 | 98.3 | 96.0 | | | | 156.7 | | | | | | |
| BAR | 29.9 HG | 630 | 88.3 | 91.0 | 91.9 | 92.9 | 94.1 | 96.4 | 96.6 | 99.3 | 101.4 | 100.8 | 100.2 | 98.0 | 95.1 | | | | 157.2 | | | | | | |
| (01039, N/M2) | | 800 | 88.6 | 92.2 | 93.6 | 94.7 | 96.2 | 97.3 | 97.5 | 99.7 | 101.9 | 100.0 | 99.2 | 99.8 | 97.2 | 94.2 | | | 157.5 | | | | | | |
| TAMB | 59, DEG F | 1000 | 87.9 | 92.5 | 94.2 | 95.7 | 96.7 | 98.1 | 97.7 | 99.6 | 102.2 | 99.6 | 98.9 | 98.4 | 96.3 | 94.1 | | | 157.6 | | | | | | |
| (288, DEG K) | | 1250 | 87.7 | 92.4 | 94.1 | 95.7 | 97.1 | 97.5 | 98.1 | 101.2 | 103.5 | 99.8 | 98.0 | 97.1 | 95.8 | 93.2 | | | 158.2 | | | | | | |
| THET | 53, DEG F | 1600 | 86.6 | 91.2 | 92.8 | 94.2 | 95.6 | 97.1 | 98.2 | 101.3 | 103.2 | 99.6 | 97.2 | 95.7 | 94.9 | 92.5 | | | 157.9 | | | | | | |
| (285, DEG K) | | 2000 | 84.7 | 89.8 | 91.0 | 93.1 | 95.0 | 96.8 | 97.4 | 100.4 | 101.4 | 98.6 | 95.5 | 94.0 | 93.0 | 91.1 | | | 156.9 | | | | | | |
| HACT | 8.91 GM/M3 | 2500 | 82.9 | 88.0 | 89.7 | 91.5 | 92.8 | 94.2 | 96.3 | 98.4 | 99.5 | 96.5 | 93.4 | 91.9 | 90.9 | 89.2 | | | 155.3 | | | | | | |
| (.00891 KG/M3) | | 3150 | 80.2 | 86.2 | 87.9 | 89.8 | 90.5 | 91.8 | 93.9 | 96.2 | 96.5 | 94.0 | 90.5 | 88.6 | 89.2 | 89.4 | | | 153.3 | | | | | | |
| FREQ. SHIFT | | 4000 | 76.5 | 81.8 | 84.1 | 86.0 | 86.6 | 89.4 | 90.4 | 92.6 | 93.0 | 90.7 | 87.6 | 85.3 | 88.1 | 88.2 | | | 150.8 | | | | | | |
| JET | 9 | 5000 | 74.5 | 79.0 | 80.5 | 83.0 | 83.3 | 84.6 | 86.3 | 89.2 | 89.9 | 87.2 | 84.6 | 83.8 | 88.5 | 90.2 | | | 148.2 | | | | | | |
| DIAHETER RATIO | | 6300 | 73.2 | 75.6 | 76.9 | 79.2 | 79.3 | 80.6 | 82.9 | 86.3 | 86.4 | 86.3 | 84.3 | 84.0 | 90.3 | 92.2 | | | 147.9 | | | | | | |
| DF/DH | 8.00 | 8000 | 74.2 | 74.4 | 74.6 | 76.5 | 76.6 | 77.3 | 79.3 | 86.4 | 85.8 | 87.0 | 85.8 | 85.8 | 93.5 | 94.8 | | | 150.9 | | | | | | |
| | | 10000 | 75.5 | 74.6 | 74.4 | 75.9 | 76.7 | 76.8 | 77.6 | 87.3 | 86.2 | 90.2 | 87.7 | 87.7 | 96.0 | 97.2 | | | 155.6 | | | | | | |
| OVERALL CALCULATED | | | 164.4 | 160.8 | 165.4 | 166.2 | 167.2 | 168.5 | 169.5 | 171.9 | 173.6 | 174.6 | 176.5 | 179.7 | 181.8 | 181.5 | | | 173.9 | | | | | | |
| PWDB | | | 170.5 | 173.6 | 174.7 | 176.2 | 177.4 | 178.8 | 180.1 | 182.6 | 183.8 | 182.8 | 181.8 | 182.5 | 183.8 | 183.5 | | | | | | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0 | | |
|--------------------|------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|---------|--|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| REV. ALPHA 12/73 | FREQ | 50 | 67.8 | 67.6 | 69.8 | 72.2 | 74.0 | 75.4 | 76.7 | 78.8 | 80.1 | 83.4 | 83.7 | 89.2 | 90.9 | 84.3 | | | | |
| NO EGA | | 63 | 71.4 | 72.7 | 73.7 | 73.5 | 74.5 | 76.8 | 78.3 | 80.1 | 81.7 | 83.5 | 85.9 | 91.5 | 91.1 | 86.4 | | | | |
| SIDELINE 2400. FT. | | 80 | 72.8 | 73.2 | 74.6 | 73.7 | 75.7 | 76.1 | 78.6 | 80.5 | 82.1 | 83.7 | 87.3 | 91.1 | 92.9 | 89.7 | | | | |
| (731.52 M) | | 100 | 71.0 | 72.8 | 73.7 | 75.2 | 76.6 | 77.1 | 78.4 | 81.4 | 82.4 | 85.7 | 88.2 | 89.9 | 88.3 | 86.7 | | | | |
| NFA 0, RPM | | 125 | 70.7 | 70.4 | 73.2 | 73.7 | 75.1 | 77.4 | 78.8 | 80.8 | 82.2 | 85.4 | 86.6 | 86.5 | 85.8 | 81.7 | | | | |
| (0, RAD/SEC) | | 160 | 67.9 | 70.6 | 72.4 | 73.7 | 75.2 | 77.3 | 78.7 | 80.6 | 81.6 | 84.8 | 86.9 | 85.6 | 81.6 | 77.6 | | | | |
| NFK 0, RPM | | 200 | 66.2 | 69.7 | 71.3 | 73.5 | 75.4 | 77.3 | 79.2 | 80.8 | 81.4 | 84.3 | 85.2 | 82.6 | 78.1 | 73.7 | | | | |
| (0, RAD/SEC) | | 250 | 66.7 | 69.0 | 70.2 | 74.0 | 75.9 | 77.2 | 77.8 | 79.9 | 80.9 | 83.0 | 83.6 | 81.7 | 77.0 | 72.1 | | | | |
| NFD 0, RPM | | 315 | 65.0 | 68.9 | 71.2 | 71.8 | 73.8 | 75.8 | 77.5 | 79.3 | 80.7 | 82.5 | 81.7 | 79.8 | 74.6 | 68.9 | | | | |
| (0, RAD/SEC) | | 400 | 63.7 | 68.1 | 70.1 | 72.6 | 73.8 | 75.8 | 76.6 | 79.0 | 79.7 | 81.2 | 80.3 | 78.1 | 73.2 | 67.7 | | | | |
| AIRFLOW RATIO | | 500 | 61.7 | 66.7 | 69.4 | 72.1 | 74.3 | 75.9 | 76.9 | 79.1 | 80.4 | 79.9 | 78.5 | 76.5 | 71.6 | 64.4 | | | | |
| WF/WH 8.00 | | 630 | 60.7 | 65.6 | 69.5 | 71.9 | 74.0 | 76.8 | 77.2 | 79.7 | 81.3 | 79.8 | 77.9 | 75.7 | 70.4 | 62.2 | | | | |
| | | 800 | 59.8 | 65.8 | 70.5 | 73.1 | 75.6 | 77.2 | 77.6 | 79.6 | 81.2 | 78.4 | 76.1 | 74.5 | 68.4 | 59.5 | | | | |
| VEHICLE JENOTS | | 1000 | 57.8 | 66.1 | 70.3 | 73.4 | 75.4 | 77.3 | 77.1 | 78.9 | 80.9 | 77.3 | 74.9 | 72.1 | 66.2 | 57.4 | | | | |
| CONFIG JE-057 | | 1250 | 55.9 | 64.7 | 69.1 | 72.4 | 75.0 | 76.0 | 76.8 | 79.7 | 81.4 | 76.5 | 73.0 | 69.5 | 64.0 | 54.0 | | | | |
| LOC EVENDALE | | 1600 | 52.4 | 61.7 | 66.2 | 69.6 | 72.3 | 74.4 | 75.7 | 78.6 | 79.8 | 75.0 | 70.7 | 66.2 | 60.6 | 49.7 | | | | |
| DATE 04-29-75 | | 2000 | 47.6 | 58.1 | 62.7 | 66.9 | 70.2 | 72.7 | 73.6 | 76.3 | 76.6 | 72.4 | 67.1 | 62.3 | 55.9 | 44.0 | | | | |
| RUN DBTF-MODEL 6 | | 2500 | 41.6 | 53.1 | 58.7 | 63.0 | 65.8 | 68.2 | 70.6 | 72.3 | 72.6 | 68.0 | 62.4 | 57.0 | 49.6 | 35.8 | | | | |
| TAPE X60520 | | 3150 | 32.2 | 45.1 | 52.7 | 57.6 | 60.3 | 62.6 | 65.0 | 67.0 | 66.2 | 61.8 | 55.2 | 48.6 | 41.2 | 25.9 | | | | |
| FAN TIP SPEED | | 4000 | 18.3 | 34.0 | 42.5 | 48.3 | 51.3 | 55.4 | 56.9 | 58.6 | 57.7 | 53.1 | 46.1 | 37.5 | 29.9 | 9.6 | | | | |
| FT/SEC | | 5000 | 10.5 | 26.8 | 35.2 | 42.1 | 45.1 | 47.9 | 50.0 | 52.5 | 51.6 | 46.3 | 39.4 | 31.6 | 24.5 | 2.9 | | | | |
| | | 6300 | | | | | | | | | | | | | | | | | | |
| | | 8000 | | | 2.0 | 11.8 | 16.6 | 20.0 | 22.8 | 29.0 | 25.9 | 22.3 | 13.2 | 0.4 | | | | | | |
| | | 10000 | | | | | | 2.0 | 4.0 | 12.5 | 7.9 | 5.3 | | | | | | | | |
| OVERALL CALCULATED | | | 79.5 | 81.5 | 83.5 | 85.2 | 87.1 | 88.8 | 89.9 | 92.1 | 93.4 | 94.6 | 95.8 | 97.7 | 97.7 | 93.7 | | | | |
| PNDB | | | 79.6 | 82.5 | 86.0 | 90.9 | 93.3 | 95.5 | 96.7 | 99.1 | 100.2 | 98.4 | 97.9 | 97.4 | 95.6 | 90.9 | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0 | | | PWL |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|---------|-------|--|-----|
| REV. ALPHA 12/73 | FREQ | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 120, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0) | 0, (0) | 0, (0) | | | |
| | 50 | 86.2 | 83.7 | 84.3 | 85.9 | 86.9 | 87.7 | 88.8 | 90.8 | 93.3 | 97.6 | 98.5 | 105.0 | 109.2 | 107.6 | | | | 158.7 | | |
| NO EQA | 63 | 88.1 | 88.1 | 88.1 | 86.3 | 86.5 | 88.1 | 90.0 | 91.2 | 92.9 | 95.7 | 99.0 | 106.6 | 109.1 | 109.1 | | | | 159.3 | | |
| RDG, NO. 0 | 80 | 88.8 | 88.5 | 88.2 | 86.5 | 87.2 | 87.5 | 90.1 | 91.9 | 93.9 | 96.5 | 101.5 | 108.1 | 109.9 | 111.8 | | | | 160.9 | | |
| RADIAL 320, FT. | 100 | 88.5 | 88.4 | 88.4 | 88.0 | 88.5 | 88.8 | 89.9 | 92.6 | 94.0 | 97.8 | 102.7 | 106.0 | 107.0 | 108.2 | | | | 158.8 | | |
| (98, M) | 125 | 87.8 | 86.6 | 87.3 | 87.2 | 88.0 | 89.7 | 90.9 | 92.6 | 94.4 | 98.6 | 101.2 | 104.7 | 104.4 | 103.7 | | | | 157.0 | | |
| VEHICLE JENOTS | 160 | 87.0 | 86.2 | 87.1 | 87.6 | 88.2 | 89.2 | 90.9 | 92.7 | 94.2 | 97.9 | 101.9 | 104.7 | 101.7 | 101.0 | | | | 156.3 | | |
| CONFIG JE-057 | 200 | 86.3 | 86.5 | 86.9 | 87.0 | 87.8 | 89.2 | 90.8 | 92.2 | 93.3 | 97.0 | 100.6 | 101.2 | 99.6 | 98.2 | | | | 154.4 | | |
| LQC EVENDALE | 250 | 87.1 | 85.6 | 85.5 | 87.9 | 88.2 | 89.6 | 89.8 | 91.8 | 93.0 | 95.9 | 99.4 | 99.5 | 98.6 | 96.8 | | | | 153.4 | | |
| DATE 04-29-75 | 315 | 85.1 | 85.6 | 85.8 | 85.7 | 86.4 | 88.2 | 88.7 | 90.9 | 93.1 | 95.3 | 96.8 | 97.2 | 96.4 | 93.3 | | | | 151.6 | | |
| RUN DBTF-MODEL 8 | 400 | 83.6 | 84.2 | 85.8 | 86.5 | 87.4 | 88.4 | 88.6 | 90.9 | 92.6 | 95.6 | 95.5 | 94.9 | 93.9 | 92.4 | | | | 150.8 | | |
| TAPE X60538 | 500 | 82.2 | 84.7 | 85.5 | 86.6 | 87.2 | 89.1 | 89.9 | 90.8 | 92.6 | 94.5 | 93.9 | 91.6 | 89.9 | 88.6 | | | | 149.8 | | |
| BAR 29.9 HG | 630 | 82.0 | 85.3 | 86.2 | 87.1 | 88.1 | 89.6 | 90.6 | 92.1 | 93.1 | 95.3 | 92.5 | 90.4 | 87.3 | 85.4 | | | | 150.1 | | |
| (01039, N/M2) | 800 | 81.4 | 84.9 | 86.6 | 87.7 | 88.8 | 89.8 | 90.5 | 92.5 | 93.4 | 95.5 | 91.7 | 88.8 | 86.0 | 83.7 | | | | 150.2 | | |
| TAMB 59, DEG F | 1000 | 80.0 | 84.0 | 85.5 | 87.0 | 88.8 | 90.1 | 90.2 | 93.4 | 94.5 | 95.4 | 92.9 | 88.5 | 85.6 | 83.6 | | | | 150.6 | | |
| (288, DEG K) | 1250 | 80.0 | 83.7 | 85.4 | 87.0 | 87.9 | 89.4 | 90.0 | 92.8 | 94.1 | 94.4 | 90.6 | 87.2 | 84.4 | 83.8 | | | | 149.9 | | |
| THET 53, DEG F | 1600 | 78.5 | 83.5 | 85.1 | 85.6 | 86.7 | 89.0 | 90.0 | 92.9 | 94.3 | 94.9 | 89.8 | 86.2 | 84.7 | 84.1 | | | | 150.0 | | |
| (285, DEG K) | 2000 | 76.8 | 83.4 | 84.4 | 84.4 | 85.1 | 86.9 | 88.0 | 90.7 | 92.5 | 92.9 | 87.6 | 84.9 | 84.1 | 83.5 | | | | 148.4 | | |
| HACT 8.91 GM/M3 | 2500 | 77.8 | 85.8 | 86.8 | 85.6 | 84.4 | 84.6 | 85.2 | 88.0 | 89.8 | 89.8 | 84.7 | 83.2 | 85.5 | 84.8 | | | | 146.8 | | |
| (.00891 KG/M3) | 3150 | 73.8 | 82.3 | 84.5 | 83.4 | 81.1 | 82.2 | 82.0 | 84.6 | 86.1 | 86.6 | 81.3 | 81.7 | 83.1 | 83.0 | | | | 144.3 | | |
| FREQ. SHIFT | 4000 | 68.1 | 75.6 | 77.9 | 77.4 | 75.2 | 77.7 | 78.3 | 81.0 | 81.9 | 82.9 | 78.3 | 78.1 | 78.9 | 78.6 | | | | 140.6 | | |
| JET 9 | 5000 | 85.6 | 72.3 | 73.8 | 73.4 | 71.9 | 74.2 | 73.9 | 77.1 | 78.4 | 79.0 | 74.2 | 78.6 | 78.1 | 79.6 | | | | 138.0 | | |
| DIAHETER RATIO | 6300 | 64.0 | 69.4 | 70.7 | 70.0 | 68.4 | 74.7 | 70.5 | 75.2 | 75.4 | 75.8 | 74.3 | 81.3 | 80.1 | 82.0 | | | | 138.7 | | |
| DF/DH 8.00 | 8000 | 64.5 | 66.8 | 67.4 | 67.3 | 66.6 | 73.9 | 67.9 | 76.2 | 74.9 | 74.3 | 75.6 | 84.1 | 82.5 | 84.3 | | | | 141.9 | | |
| | 10000 | 66.3 | 64.9 | 64.9 | 65.7 | 66.9 | 70.5 | 67.3 | 77.5 | 75.5 | 76.0 | 77.8 | 87.0 | 84.8 | 86.7 | | | | 146.6 | | |
| OVERALL CALCULATED | | 97.8 | 98.5 | 99.2 | 99.4 | 100.1 | 101.4 | 102.4 | 104.5 | 106.0 | 108.6 | 110.6 | 114.4 | 115.8 | 116.1 | | | | 167.9 | | |
| PNDR | | 104.0 | 108.6 | 109.7 | 109.4 | 109.1 | 110.5 | 111.1 | 113.8 | 115.2 | 116.5 | 115.1 | 116.6 | 116.7 | 117.0 | | | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) |
| NO EGA | 50 | 62.3 | 62.1 | 64.3 | 67.0 | 68.7 | 69.9 | 71.2 | 73.0 | 75.1 | 78.6 | 78.5 | 83.5 | 85.4 | 80.3 | | | |
| SIDELINE 2400, FT. | 63 | 64.1 | 66.4 | 68.0 | 67.3 | 68.2 | 70.3 | 72.3 | 73.4 | 74.7 | 76.7 | 78.9 | 85.0 | 85.1 | 81.6 | | | |
| (731.52 M) | 80 | 64.8 | 66.7 | 68.1 | 67.4 | 68.9 | 69.6 | 72.4 | 74.0 | 75.6 | 77.4 | 81.3 | 86.3 | 85.9 | 84.2 | | | |
| NFA 0, RPM | 100 | 64.3 | 66.6 | 68.2 | 68.9 | 70.1 | 70.8 | 72.1 | 74.7 | 75.7 | 78.7 | 82.5 | 84.2 | 82.8 | 80.4 | | | |
| (0, RAD/SEC) | 125 | 63.5 | 64.7 | 67.2 | 68.0 | 69.6 | 71.7 | 73.0 | 74.6 | 75.9 | 79.4 | 80.9 | 82.7 | 80.0 | 75.7 | | | |
| NFK 0, RPM | 160 | 62.4 | 64.1 | 66.7 | 68.2 | 69.7 | 71.1 | 72.9 | 74.6 | 75.6 | 78.6 | 81.4 | 82.6 | 77.1 | 72.6 | | | |
| (0, RAD/SEC) | 200 | 61.5 | 64.2 | 66.3 | 67.5 | 69.1 | 71.0 | 72.7 | 74.0 | 74.7 | 77.5 | 80.0 | 78.9 | 74.8 | 69.5 | | | |
| NFD 0, RPM | 250 | 62.0 | 63.0 | 64.7 | 68.3 | 69.4 | 71.2 | 71.5 | 73.4 | 74.1 | 76.3 | 78.6 | 76.9 | 73.5 | 67.6 | | | |
| (0, RAD/SEC) | 315 | 59.5 | 62.7 | 64.7 | 65.9 | 67.3 | 69.6 | 70.3 | 72.3 | 74.0 | 75.5 | 75.7 | 74.3 | 70.9 | 63.4 | | | |
| AIRFLOW RATIO | 400 | 57.5 | 60.9 | 64.4 | 66.3 | 68.0 | 69.5 | 69.9 | 72.1 | 73.3 | 75.5 | 74.0 | 71.6 | 67.7 | 61.7 | | | |
| WF/WH 8.00 | 500 | 55.5 | 60.9 | 63.7 | 66.1 | 67.5 | 70.0 | 70.9 | 71.6 | 72.9 | 73.9 | 72.0 | 67.8 | 63.1 | 56.9 | | | |
| | 630 | 54.4 | 60.9 | 63.8 | 66.2 | 68.0 | 70.1 | 71.2 | 72.5 | 73.0 | 74.3 | 70.1 | 66.0 | 59.7 | 52.4 | | | |
| VEHICLE JENOTS | 800 | 52.6 | 59.6 | 63.5 | 66.1 | 68.1 | 69.7 | 70.6 | 72.4 | 72.8 | 73.9 | 68.6 | 63.5 | 57.2 | 49.1 | | | |
| CONFIG JE-05Z | 1000 | 49.9 | 57.7 | 61.6 | 64.7 | 67.4 | 69.3 | 69.7 | 72.7 | 73.2 | 73.1 | 69.0 | 62.1 | 55.5 | 47.0 | | | |
| LOC EVENDALE | 1250 | 48.2 | 56.0 | 60.4 | 63.7 | 65.8 | 67.8 | 68.6 | 71.2 | 71.9 | 71.1 | 65.6 | 59.6 | 52.6 | 44.6 | | | |
| DATE 04-29-75 | 1600 | 44.2 | 54.0 | 58.6 | 61.0 | 63.3 | 66.3 | 67.5 | 70.2 | 70.9 | 70.3 | 63.3 | 56.8 | 50.5 | 41.3 | | | |
| RUN DBTF-MODEL 6 | 2000 | 39.7 | 51.7 | 56.0 | 58.2 | 60.3 | 62.8 | 64.2 | 66.7 | 67.7 | 66.7 | 59.2 | 53.2 | 47.0 | 36.3 | | | |
| TAPE X60538 | 2500 | 36.5 | 50.9 | 55.8 | 57.1 | 57.4 | 58.5 | 59.4 | 61.9 | 62.9 | 61.3 | 53.7 | 48.3 | 44.2 | 31.4 | | | |
| FAN TIP SPEED | 3150 | 25.8 | 42.3 | 49.3 | 51.2 | 50.9 | 52.9 | 53.2 | 55.3 | 55.8 | 54.4 | 46.1 | 41.7 | 35.0 | 19.5 | | | |
| FT/SEC | 4000 | 9.9 | 27.9 | 36.4 | 39.7 | 39.9 | 43.7 | 44.7 | 47.0 | 48.6 | 45.2 | 36.7 | 30.4 | 20.8 | | | | |
| | 5000 | 1.6 | 20.1 | 28.6 | 32.5 | 33.7 | 37.5 | 37.6 | 40.3 | 40.2 | 38.1 | 29.0 | 26.4 | 14.1 | | | | |
| | 6300 | | 4.2 | 14.7 | 19.7 | 21.6 | 29.8 | 26.2 | 30.3 | 28.6 | 25.5 | 18.3 | 16.0 | | | | | |
| | 8000 | | | | 2.6 | 6.7 | 16.5 | 11.3 | 18.8 | 14.9 | 9.6 | 3.0 | | | | | | |
| OVERALL CALCULATED | 10000 | | | | | | | | 2.8 | | | | | | | | | |
| PNDP | | 72.9 | 75.2 | 77.5 | 78.9 | 80.4 | 82.2 | 83.4 | 85.2 | 86.3 | 88.5 | 90.0 | 92.5 | 91.7 | 88.5 | | | |
| | | 73.1 | 77.7 | 81.6 | 83.4 | 85.2 | 87.5 | 88.6 | 90.9 | 91.8 | 92.4 | 91.6 | 91.3 | 88.8 | 84.5 | | | |

| | REV. | ALPHA 12/73 | FREQ | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | 0, 0, 0 | | | PWL |
|--|------|-------------|--------------------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|--------|--------|-------|
| | | | | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0) | 0, (0) | 0, (0) | |
| | | | 50 | 85.4 | 82.2 | 83.3 | 85.9 | 86.7 | 86.7 | 87.8 | 90.3 | 92.8 | 97.1 | 98.8 | 104.3 | 107.0 | 106.1 | | | | 157.3 |
| | | | 63 | 87.3 | 86.8 | 86.6 | 85.3 | 85.7 | 86.9 | 88.2 | 90.0 | 91.9 | 95.4 | 98.7 | 106.4 | 108.1 | 107.3 | | | | 158.4 |
| | | | 80 | 88.8 | 88.2 | 88.0 | 86.5 | 87.5 | 86.8 | 88.1 | 90.6 | 92.9 | 95.7 | 101.2 | 107.1 | 108.9 | 110.6 | | | | 159.9 |
| | | | 100 | 89.0 | 88.2 | 88.1 | 87.8 | 88.0 | 87.5 | 88.9 | 92.1 | 93.3 | 97.3 | 101.7 | 106.0 | 107.0 | 109.2 | | | | 158.9 |
| | | | 125 | 89.3 | 87.4 | 88.0 | 87.2 | 88.0 | 88.7 | 90.2 | 91.8 | 93.4 | 98.1 | 102.0 | 104.9 | 105.6 | 105.4 | | | | 157.6 |
| | | | 160 | 88.0 | 87.2 | 87.4 | 87.5 | 88.0 | 88.7 | 90.2 | 92.7 | 93.7 | 98.1 | 102.3 | 105.7 | 104.2 | 104.4 | | | | 157.5 |
| | | | 200 | 87.8 | 86.7 | 86.7 | 87.3 | 88.3 | 89.2 | 90.3 | 92.2 | 93.6 | 97.5 | 101.1 | 102.2 | 103.6 | 103.5 | | | | 156.0 |
| | | | 250 | 87.9 | 86.6 | 86.3 | 88.4 | 89.0 | 89.4 | 89.8 | 92.1 | 94.0 | 97.1 | 99.7 | 101.0 | 102.6 | 102.3 | | | | 155.2 |
| | | | 315 | 85.6 | 85.8 | 85.8 | 85.5 | 86.6 | 88.5 | 88.7 | 91.7 | 93.8 | 96.4 | 97.5 | 99.2 | 99.9 | 99.5 | | | | 153.4 |
| | | | 400 | 84.4 | 85.0 | 85.3 | 86.0 | 86.2 | 88.4 | 88.6 | 90.9 | 92.1 | 95.9 | 97.0 | 97.2 | 97.9 | 96.7 | | | | 152.1 |
| | | | 500 | 81.3 | 82.5 | 83.1 | 84.2 | 85.2 | 87.2 | 87.7 | 89.8 | 91.9 | 95.0 | 95.2 | 94.7 | 93.7 | 91.1 | | | | 150.2 |
| | | | 630 | 80.1 | 81.9 | 81.7 | 82.7 | 84.2 | 88.0 | 87.4 | 89.6 | 91.7 | 94.6 | 94.1 | 93.2 | 90.1 | 86.0 | | | | 149.3 |
| | | | 800 | 79.5 | 81.3 | 82.0 | 82.6 | 84.4 | 86.4 | 86.4 | 88.9 | 90.8 | 92.9 | 92.3 | 89.7 | 86.3 | 82.3 | | | | 147.7 |
| | | | 1000 | 78.1 | 80.9 | 81.7 | 82.7 | 83.7 | 86.0 | 86.2 | 88.6 | 90.2 | 92.6 | 90.3 | 87.4 | 83.6 | 81.1 | | | | 147.0 |
| | | | 1250 | 77.7 | 80.1 | 81.4 | 82.2 | 83.4 | 85.3 | 85.2 | 89.0 | 89.8 | 92.1 | 89.6 | 85.2 | 82.6 | 80.7 | | | | 146.6 |
| | | | 1600 | 75.7 | 78.8 | 79.6 | 80.1 | 81.5 | 84.0 | 84.5 | 87.1 | 89.3 | 90.4 | 88.3 | 83.8 | 81.7 | 81.1 | | | | 145.5 |
| | | | 2000 | 72.9 | 76.2 | 77.2 | 77.0 | 78.7 | 80.9 | 82.0 | 84.8 | 86.1 | 87.2 | 85.6 | 80.4 | 78.4 | 77.3 | | | | 142.8 |
| | | | 2500 | 68.6 | 71.9 | 73.1 | 73.7 | 74.7 | 77.1 | 78.7 | 81.5 | 83.4 | 84.1 | 82.8 | 77.8 | 76.3 | 75.6 | | | | 140.0 |
| | | | 3150 | 65.4 | 68.8 | 69.8 | 70.7 | 70.9 | 74.5 | 75.4 | 78.1 | 79.9 | 80.4 | 81.1 | 79.0 | 78.1 | 78.8 | | | | 138.0 |
| | | | 4000 | 61.1 | 64.4 | 65.2 | 66.4 | 66.4 | 71.7 | 72.6 | 74.8 | 75.4 | 76.9 | 79.8 | 77.1 | 77.4 | 77.8 | | | | 136.0 |
| | | | 5000 | 60.1 | 62.8 | 62.8 | 63.8 | 63.4 | 70.2 | 70.6 | 72.0 | 72.9 | 72.9 | 80.1 | 77.8 | 78.5 | 79.3 | | | | 135.8 |
| | | | 6300 | 60.1 | 61.6 | 61.6 | 62.4 | 62.3 | 84.1 | 71.1 | 72.3 | 71.5 | 71.7 | 82.4 | 81.1 | 81.0 | 81.6 | | | | 140.9 |
| | | | 8000 | 61.9 | 62.9 | 62.0 | 63.5 | 63.1 | 74.3 | 73.3 | 74.6 | 72.8 | 72.7 | 84.8 | 84.0 | 83.4 | 84.7 | | | | 143.3 |
| | | | 10000 | 63.2 | 63.3 | 63.6 | 64.1 | 65.4 | 86.0 | 75.8 | 77.5 | 74.9 | 75.4 | 86.7 | 86.2 | 86.0 | 86.4 | | | | 149.2 |
| | | | OVERALL CALCULATED | 98.0 | 97.4 | 97.6 | 97.8 | 98.6 | 100.0 | 100.5 | 102.9 | 104.6 | 108.0 | 110.8 | 114.5 | 115.6 | 116.1 | | | | 167.6 |
| | | | PND8 | 102.2 | 102.6 | 103.1 | 103.7 | 104.6 | 108.7 | 107.7 | 110.1 | 112.7 | 113.8 | 115.9 | 116.8 | 116.8 | 117.1 | | | | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY) | | | | | | | | | | | | | | | |
|--------------------|--------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ | 50 | 61.6 | 60.6 | 63.3 | 67.0 | 68.4 | 68.9 | 70.2 | 72.5 | 74.6 | 78.1 | 78.7 | 82.7 | 83.1 | 78.8 | |
| | NO EGA | 63 | 63.4 | 65.2 | 66.5 | 66.3 | 67.5 | 69.0 | 70.5 | 72.1 | 73.7 | 76.5 | 78.6 | 84.7 | 84.1 | 79.9 | |
| SIDELINE 2400, FT. | | 80 | 64.8 | 66.5 | 67.8 | 67.4 | 69.2 | 68.9 | 70.4 | 72.7 | 74.6 | 76.7 | 81.1 | 85.3 | 84.9 | 83.0 | |
| (731.52 M) | | 100 | 64.8 | 66.3 | 67.9 | 68.7 | 69.6 | 69.6 | 71.1 | 74.2 | 74.9 | 78.2 | 81.5 | 84.2 | 82.8 | 81.4 | |
| NFA | 0, RPM | 125 | 65.0 | 65.4 | 67.7 | 68.0 | 69.6 | 70.7 | 72.3 | 73.8 | 74.9 | 78.9 | 81.6 | 83.0 | 81.3 | 77.4 | |
| (| 0, RAD/SEC) | 160 | 63.4 | 65.1 | 66.9 | 68.2 | 69.4 | 70.6 | 72.2 | 74.6 | 75.1 | 78.8 | 81.9 | 83.6 | 79.6 | 76.1 | |
| NFK | 0, RPM | 200 | 63.0 | 64.4 | 66.0 | 67.8 | 69.7 | 71.0 | 72.2 | 74.0 | 74.9 | 78.0 | 80.5 | 79.9 | 78.8 | 74.7 | |
| (| 0, RAD/SEC) | 250 | 62.7 | 64.0 | 65.5 | 68.8 | 70.1 | 71.0 | 71.5 | 73.7 | 75.2 | 77.5 | 78.9 | 78.5 | 77.5 | 73.1 | |
| NFD | 0, RPM | 315 | 60.0 | 62.9 | 64.7 | 65.6 | 67.6 | 69.9 | 70.3 | 73.1 | 74.8 | 76.5 | 76.4 | 76.3 | 74.4 | 69.7 | |
| (| 0, RAD/SEC) | 400 | 58.3 | 61.7 | 63.9 | 65.9 | 66.8 | 69.5 | 69.9 | 72.1 | 72.8 | 75.8 | 75.5 | 73.9 | 71.8 | 66.0 | |
| AIRFLOW RATIO | | 500 | 54.5 | 58.7 | 61.2 | 63.6 | 65.6 | 68.0 | 68.7 | 70.6 | 72.2 | 74.5 | 73.3 | 70.8 | 66.9 | 59.4 | |
| WF/WM 8.00 | | 630 | 52.5 | 57.4 | 59.3 | 61.7 | 64.1 | 68.4 | 68.0 | 70.1 | 71.6 | 73.6 | 71.7 | 68.8 | 62.5 | 53.0 | |
| | | 800 | 50.7 | 56.0 | 58.9 | 61.0 | 63.7 | 66.3 | 66.4 | 68.7 | 70.1 | 71.3 | 69.2 | 64.3 | 57.6 | 47.7 | |
| VEHICLE | JENOTS | 1000 | 48.0 | 54.6 | 57.8 | 60.3 | 62.4 | 65.3 | 65.6 | 67.9 | 68.8 | 70.2 | 66.4 | 61.0 | 53.4 | 44.4 | |
| CONFIG | JE-057 | 1250 | 45.9 | 52.5 | 56.4 | 58.9 | 61.2 | 63.8 | 63.8 | 67.5 | 67.7 | 68.8 | 64.6 | 57.5 | 50.8 | 41.5 | |
| LOC | EVENDALE | 1600 | 41.5 | 49.3 | 53.1 | 55.5 | 58.1 | 61.3 | 62.1 | 64.4 | 65.9 | 65.8 | 61.8 | 54.3 | 47.5 | 38.3 | |
| DATE | 04-29-75 | 2000 | 35.8 | 44.5 | 48.8 | 50.8 | 53.8 | 56.9 | 58.2 | 60.7 | 61.3 | 61.0 | 57.3 | 48.7 | 41.3 | 30.1 | |
| RUN | DBTF-MODEL 6 | 2500 | 27.3 | 37.0 | 42.1 | 45.2 | 47.8 | 51.1 | 53.0 | 55.5 | 56.5 | 55.6 | 51.8 | 42.9 | 35.0 | 22.2 | |
| TAPE | X60540 | 3150 | 17.3 | 28.8 | 34.6 | 38.5 | 40.7 | 45.2 | 46.5 | 48.9 | 49.6 | 48.3 | 45.9 | 39.0 | 30.1 | 15.4 | |
| FAN TIP SPEED | | 4000 | 2.9 | 16.7 | 23.6 | 28.7 | 31.1 | 37.8 | 39.0 | 40.8 | 40.1 | 39.2 | 38.2 | 29.4 | 19.3 | | |
| | | 5000 | | 10.6 | 17.5 | 22.9 | 25.2 | 33.4 | 34.3 | 35.3 | 34.7 | 32.0 | 34.9 | 25.6 | 14.5 | | |
| | FT/SEC | 6300 | | | 5.5 | 12.0 | 15.5 | 39.2 | 26.8 | 27.4 | 24.7 | 21.4 | 26.4 | 15.9 | | | |
| | | 8000 | | | | | 3.1 | 17.0 | 16.8 | 17.3 | 12.9 | 8.0 | 12.2 | | | | |
| | | 10000 | | | | | | 11.2 | 2.2 | 2.8 | | | | | | | |
| OVERALL CALCULATED | | | 73.3 | 74.9 | 76.7 | 78.0 | 79.6 | 81.0 | 82.0 | 84.2 | 85.4 | 88.2 | 90.2 | 92.5 | 91.4 | 88.3 | |
| PND8 | | | 73.0 | 76.1 | 78.7 | 80.9 | 82.7 | 85.0 | 85.6 | 88.0 | 89.2 | 91.3 | 91.9 | 91.8 | 89.1 | 85.4 | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | PHL | | |
|--------------------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-------|--|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | | | |
| REV. ALPHA 12/73 | FREQ | 50 | 92.9 | 90.7 | 90.8 | 91.9 | 93.2 | 93.5 | 95.1 | 97.3 | 99.3 | 104.1 | 106.0 | 111.8 | 115.7 | 112.9 | | | 165.1 | | |
| | NO EGA | 63 | 96.3 | 95.8 | 95.1 | 93.5 | 93.7 | 95.6 | 97.0 | 99.7 | 100.7 | 104.2 | 109.0 | 116.6 | 118.1 | 117.8 | | | 168.5 | | |
| RDG, NO. | 0 | 80 | 97.8 | 97.0 | 96.5 | 94.0 | 95.0 | 95.0 | 97.1 | 99.4 | 101.4 | 104.2 | 110.2 | 116.6 | 119.2 | 121.1 | | | 169.9 | | |
| RADIAL 320. FT. | | 100 | 97.0 | 96.7 | 95.9 | 96.0 | 96.5 | 96.5 | 97.7 | 101.1 | 102.0 | 107.0 | 111.2 | 115.8 | 117.2 | 117.5 | | | 168.3 | | |
| (98. M) | | 125 | 96.1 | 93.6 | 95.0 | 94.4 | 95.0 | 96.7 | 97.9 | 99.8 | 102.4 | 106.6 | 110.2 | 111.7 | 113.9 | 112.9 | | | 165.3 | | |
| VEHICLE JENDTS | | 160 | 94.0 | 93.7 | 94.1 | 94.3 | 95.2 | 96.2 | 97.7 | 100.2 | 101.4 | 105.9 | 109.9 | 111.7 | 110.4 | 109.2 | | | 164.0 | | |
| CONFIG JE-057 | | 200 | 92.8 | 93.5 | 93.2 | 94.0 | 95.1 | 97.0 | 98.3 | 100.0 | 101.3 | 105.5 | 108.6 | 109.2 | 107.4 | 105.2 | | | 162.3 | | |
| LOC EVENDALE | | 250 | 93.1 | 92.6 | 92.0 | 94.9 | 95.0 | 96.4 | 97.3 | 99.8 | 101.0 | 104.1 | 106.9 | 107.3 | 105.4 | 103.5 | | | 160.9 | | |
| DATE 04-29-75 | | 315 | 91.6 | 92.3 | 92.5 | 92.5 | 93.4 | 94.9 | 96.5 | 98.9 | 101.1 | 104.1 | 104.8 | 105.2 | 102.4 | 100.0 | | | 159.4 | | |
| RUN DBTF-MODEL 6 | | 400 | 90.3 | 91.9 | 92.6 | 92.7 | 94.1 | 95.1 | 96.1 | 97.9 | 99.8 | 102.6 | 103.5 | 103.7 | 100.9 | 100.4 | | | 158.3 | | |
| TAPE X4055g | | 500 | 89.0 | 91.0 | 91.3 | 92.9 | 94.2 | 95.6 | 96.2 | 98.3 | 100.1 | 101.5 | 101.6 | 101.4 | 98.9 | 97.3 | | | 157.3 | | |
| BAR 29.9 HG | | 630 | 88.5 | 92.1 | 92.4 | 93.4 | 94.6 | 96.4 | 97.3 | 99.3 | 101.1 | 101.0 | 100.8 | 100.2 | 97.6 | 95.1 | | | 157.4 | | |
| (01039, N/M2) | | 800 | 88.9 | 93.4 | 94.1 | 95.7 | 96.5 | 97.6 | 98.0 | 99.2 | 101.7 | 100.3 | 100.0 | 99.3 | 96.7 | 93.2 | | | 157.6 | | |
| TAMB 59, DEG F | | 1000 | 89.2 | 94.5 | 95.0 | 96.5 | 97.3 | 98.8 | 98.5 | 100.2 | 102.0 | 99.9 | 98.9 | 98.0 | 95.6 | 93.6 | | | 157.9 | | |
| (288, DEG K) | | 1250 | 89.0 | 93.7 | 94.7 | 96.2 | 97.4 | 98.4 | 99.0 | 101.3 | 103.1 | 100.4 | 97.9 | 96.7 | 94.9 | 93.0 | | | 158.3 | | |
| THET 53, DEG F | | 1600 | 87.2 | 92.8 | 93.9 | 95.3 | 96.7 | 98.0 | 98.8 | 101.4 | 102.3 | 99.6 | 97.3 | 96.0 | 94.2 | 93.1 | | | 158.0 | | |
| (285, DEG K) | | 2000 | 85.3 | 90.1 | 92.1 | 93.4 | 95.9 | 97.1 | 98.2 | 100.7 | 101.5 | 98.4 | 96.1 | 94.1 | 92.4 | 89.7 | | | 157.2 | | |
| HACT 8.91 GM/M3 | | 2500 | 83.3 | 88.3 | 90.0 | 92.3 | 93.4 | 94.8 | 96.2 | 98.5 | 99.1 | 96.1 | 93.7 | 91.7 | 90.0 | 87.8 | | | 155.3 | | |
| (.00891 KG/M3) | | 3150 | 80.8 | 88.3 | 88.0 | 90.4 | 90.9 | 93.2 | 94.0 | 95.8 | 96.3 | 93.9 | 91.6 | 90.7 | 89.6 | 89.3 | | | 153.5 | | |
| FREQ. SHIFT | | 4000 | 77.1 | 82.6 | 83.9 | 86.4 | 86.7 | 90.2 | 90.6 | 92.7 | 92.6 | 90.9 | 90.3 | 88.4 | 87.9 | 87.1 | | | 151.1 | | |
| JET 9 | | 5000 | 74.6 | 79.1 | 80.8 | 83.4 | 83.4 | 86.5 | 86.4 | 88.6 | 89.7 | 87.3 | 89.9 | 87.9 | 88.3 | 88.8 | | | 148.8 | | |
| DIAMETER RATIO | | 6300 | 73.2 | 76.2 | 77.2 | 80.2 | 79.7 | 81.7 | 83.2 | 86.4 | 85.9 | 86.1 | 92.1 | 90.8 | 90.4 | 91.5 | | | 149.7 | | |
| DF/DH 8.00 | | 8000 | 73.5 | 74.2 | 74.9 | 77.1 | 77.4 | 87.4 | 79.4 | 86.2 | 85.4 | 87.3 | 94.4 | 93.1 | 92.8 | 94.3 | | | 153.3 | | |
| | | 10000 | 75.3 | 73.6 | 73.4 | 75.4 | 76.9 | 82.5 | 77.8 | 87.3 | 85.2 | 89.7 | 96.8 | 95.8 | 95.5 | 96.7 | | | 158.0 | | |
| OVERALL CALCULATED | | | 105.5 | 106.1 | 106.4 | 107.1 | 108.0 | 109.3 | 110.2 | 112.3 | 114.0 | 116.0 | 119.1 | 123.0 | 124.6 | 124.8 | | | 176.3 | | |
| PNDB | | | 111.1 | 112.4 | 113.4 | 117.0 | 118.1 | 119.7 | 120.5 | 122.9 | 123.9 | 123.3 | 124.2 | 125.5 | 125.5 | 125.5 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
|--------------------|----------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ | 50 | 59.1 | 69.1 | 70.8 | 73.0 | 75.0 | 75.7 | 77.4 | 79.5 | 81.1 | 85.1 | 86.0 | 90.2 | 91.9 | 85.6 | | |
| NO EGA | 63 | 72.4 | 74.2 | 75.0 | 74.5 | 75.5 | 77.8 | 79.3 | 81.9 | 82.4 | 85.2 | 88.9 | 95.0 | 94.1 | 90.4 | | | |
| SIDELINE 2400, FY. | 80 | 73.8 | 75.2 | 76.3 | 74.9 | 76.7 | 77.1 | 79.4 | 81.5 | 83.1 | 85.2 | 90.1 | 94.8 | 95.1 | 93.5 | | | |
| (731.52 M) | 100 | 72.8 | 74.8 | 75.7 | 76.9 | 78.1 | 78.6 | 79.9 | 83.2 | 83.7 | 87.9 | 91.0 | 93.9 | 93.0 | 89.7 | | | |
| NFA | 0, RPM | 125 | 71.7 | 71.7 | 74.7 | 75.2 | 76.6 | 78.7 | 80.0 | 81.8 | 83.9 | 87.4 | 89.9 | 89.7 | 89.5 | 84.9 | | |
| (0, RAD/SEC) | 160 | 69.4 | 71.6 | 73.7 | 75.0 | 76.7 | 78.1 | 79.7 | 82.1 | 82.9 | 86.6 | 89.4 | 89.6 | 85.9 | 80.8 | | | |
| NFK | 0, RPM | 200 | 88.0 | 71.2 | 72.5 | 74.5 | 76.4 | 78.8 | 80.2 | 81.8 | 82.7 | 86.0 | 88.0 | 86.9 | 82.6 | 76.5 | | |
| (0, RAD/SEC) | 250 | 88.0 | 70.0 | 71.2 | 75.3 | 76.1 | 78.0 | 79.0 | 81.4 | 82.1 | 84.5 | 86.1 | 84.7 | 80.2 | 74.3 | | | |
| NFD | 0, RPM | 315 | 86.0 | 69.4 | 71.4 | 72.6 | 74.3 | 76.3 | 78.0 | 80.3 | 82.0 | 84.2 | 83.7 | 82.3 | 76.9 | 70.1 | | |
| (0, RAD/SEC) | 400 | 84.2 | 68.6 | 71.1 | 72.6 | 74.8 | 76.3 | 77.4 | 79.1 | 80.5 | 82.5 | 82.0 | 80.3 | 74.7 | 69.7 | | | |
| AIRFLOW RATIO | 500 | 82.2 | 67.2 | 69.4 | 72.3 | 74.5 | 76.5 | 77.2 | 79.1 | 80.4 | 80.9 | 79.8 | 77.5 | 72.1 | 65.6 | | | |
| WF/HM 8.00 | 630 | 80.9 | 67.6 | 70.0 | 72.4 | 74.5 | 76.8 | 77.9 | 79.8 | 81.0 | 80.1 | 78.4 | 75.7 | 69.8 | 62.2 | | | |
| | 800 | 80.1 | 68.1 | 71.0 | 74.1 | 75.8 | 77.5 | 78.1 | 79.1 | 81.0 | 78.7 | 76.9 | 74.0 | 67.9 | 58.6 | | | |
| VEHICLE | JENOTS | 1000 | 59.1 | 68.2 | 71.1 | 74.2 | 75.9 | 78.1 | 77.9 | 79.4 | 80.7 | 77.6 | 75.0 | 71.6 | 65.5 | 57.0 | | |
| CONFIG | JE-057 | 1250 | 57.2 | 66.0 | 69.7 | 73.0 | 75.3 | 76.8 | 77.6 | 79.7 | 80.9 | 77.1 | 72.9 | 69.1 | 63.1 | 53.8 | | |
| LOC | EVENDALE | 1600 | 53.0 | 63.3 | 67.3 | 70.7 | 73.3 | 75.3 | 76.3 | 78.7 | 78.9 | 75.0 | 70.8 | 66.5 | 60.0 | 50.3 | | |
| DATE 04-29-75 | 2000 | 48.2 | 58.4 | 63.8 | 67.2 | 71.0 | 73.1 | 74.4 | 76.7 | 76.7 | 72.2 | 67.7 | 62.4 | 55.2 | 42.6 | | | |
| RUN DBTF-MODEL 6 | 2500 | 42.0 | 53.4 | 59.0 | 63.9 | 66.4 | 68.8 | 70.4 | 72.4 | 72.2 | 67.6 | 62.7 | 56.8 | 48.7 | 34.4 | | | |
| TAPE | X60550 | 3150 | 32.8 | 46.3 | 52.8 | 58.2 | 60.6 | 63.9 | 65.2 | 66.6 | 66.0 | 61.7 | 56.4 | 50.7 | 41.5 | 25.8 | | |
| FAN TIP SPEED | 4000 | 18.9 | 34.9 | 42.4 | 48.7 | 51.4 | 56.2 | 57.0 | 58.8 | 57.3 | 53.2 | 48.7 | 40.6 | 29.8 | 8.5 | | | |
| FT/SEC | 5000 | 10.6 | 26.9 | 35.6 | 42.5 | 45.2 | 49.7 | 50.1 | 51.8 | 51.5 | 46.4 | 44.7 | 35.7 | 24.3 | 1.5 | | | |
| | 6300 | | 10.9 | 21.2 | 29.9 | 32.9 | 36.8 | 38.9 | 41.5 | 39.1 | 35.8 | 36.0 | 25.5 | 9.2 | | | | |
| | 8000 | | | 2.3 | 12.3 | 17.4 | 30.0 | 22.8 | 28.8 | 25.4 | 22.6 | 21.8 | 7.7 | | | | | |
| | 10000 | | | | | | 7.8 | 4.2 | 12.6 | 6.9 | 4.8 | 1.1 | | | | | | |
| OVERALL CALCULATED | | 80.7 | 82.9 | 84.7 | 86.2 | 87.9 | 89.6 | 90.8 | 92.9 | 94.1 | 96.2 | 98.4 | 101.1 | 100.4 | 97.1 | | | |
| PND8 | | 80.7 | 85.7 | 89.0 | 91.9 | 94.2 | 96.2 | 97.4 | 99.5 | 100.1 | 99.6 | 100.0 | 100.3 | 97.8 | 93.8 | | | |

PROC DATE = MONTH 5 DAY 6 HR, 11.4
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 59, DEG, F, 70 PERCENT REL, NOH, DAY = JENOTS

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV, ALPHA 12/73 | FREQ | 50 | 88.9 | 86.5 | 86.6 | 88.7 | 88.7 | 90.0 | 90.8 | 93.3 | 95.3 | 99.3 | 100.8 | 107.8 | 110.7 | | | | 160.8 | |
| | NO EGA | 63 | 91.1 | 91.6 | 90.8 | 89.5 | 89.2 | 91.6 | 92.7 | 95.2 | 96.9 | 99.7 | 104.2 | 112.9 | 114.6 | | | | 164.6 | |
| RDG, NO, 0. | | 80 | 93.3 | 93.2 | 92.5 | 90.2 | 90.7 | 90.8 | 93.1 | 95.1 | 96.9 | 100.0 | 106.2 | 112.8 | 114.2 | | | | 165.5 | |
| RADIAL 320, FT. | | 100 | 93.5 | 92.7 | 92.1 | 92.0 | 92.0 | 92.5 | 93.7 | 96.4 | 98.0 | 102.5 | 107.5 | 113.0 | 113.2 | | | | 164.5 | |
| (98, H) | | 125 | 92.6 | 90.6 | 91.8 | 91.2 | 91.8 | 92.9 | 94.4 | 96.3 | 97.9 | 102.6 | 106.5 | 109.4 | 109.9 | | | | 161.7 | |
| VEHICLE JENOTS | | 160 | 91.5 | 90.4 | 91.1 | 91.1 | 91.5 | 92.7 | 93.7 | 95.7 | 97.7 | 102.6 | 107.1 | 110.5 | 107.2 | | | | 161.4 | |
| CONFIG JE-057 | | 200 | 90.3 | 90.7 | 90.7 | 91.2 | 91.3 | 93.5 | 94.0 | 95.7 | 97.6 | 101.8 | 106.3 | 107.7 | 105.1 | | | | 159.8 | |
| LOC EVENDALE | | 250 | 90.6 | 89.3 | 88.8 | 91.9 | 91.5 | 94.6 | 93.3 | 95.3 | 97.7 | 100.4 | 104.2 | 106.5 | 104.4 | | | | 158.6 | |
| DATE 04-29-75 | | 315 | 88.8 | 88.6 | 89.3 | 89.0 | 89.6 | 92.2 | 92.0 | 95.2 | 96.6 | 99.6 | 102.3 | 105.0 | 101.2 | | | | 156.9 | |
| RUN DBTF-MODEL 6 | | 400 | 87.1 | 88.2 | 88.6 | 89.2 | 89.9 | 90.6 | 92.1 | 94.2 | 96.1 | 99.1 | 101.0 | 102.9 | 98.6 | | | | 155.6 | |
| TAPE X60568 | | 500 | 85.2 | 87.7 | 88.5 | 89.1 | 90.2 | 91.9 | 92.4 | 94.0 | 96.1 | 98.5 | 98.4 | 98.9 | 93.9 | | | | 153.8 | |
| BAR 29.9 HG | | 630 | 85.3 | 88.6 | 89.2 | 90.4 | 90.8 | 92.4 | 93.3 | 94.3 | 96.6 | 98.3 | 97.5 | 96.4 | 90.8 | | | | 153.5 | |
| (01039, N/M2) | | 800 | 87.1 | 92.7 | 93.6 | 94.0 | 94.0 | 94.6 | 94.0 | 96.0 | 96.4 | 97.8 | 95.7 | 94.6 | 91.0 | | | | 154.2 | |
| TAMB 59, DEG F | | 1000 | 86.0 | 90.5 | 90.8 | 92.0 | 93.3 | 94.3 | 95.2 | 97.9 | 98.8 | 99.9 | 95.4 | 92.7 | 89.1 | | | | 154.9 | |
| (288, DEG K) | | 1250 | 87.0 | 91.2 | 91.7 | 92.5 | 92.7 | 94.9 | 95.5 | 98.5 | 101.1 | 100.1 | 96.1 | 92.5 | 89.2 | | | | 155.9 | |
| THET 53, DEG F | | 1600 | 85.5 | 90.5 | 91.1 | 91.8 | 93.2 | 94.2 | 95.5 | 98.9 | 100.3 | 98.4 | 94.5 | 91.5 | 89.4 | | | | 155.4 | |
| (285, DEG K) | | 2000 | 83.3 | 89.4 | 90.6 | 89.9 | 91.4 | 93.4 | 94.0 | 96.5 | 98.0 | 97.7 | 93.1 | 89.9 | 89.1 | | | | 154.0 | |
| HACT 8.91 GM/M3 | | 2500 | 80.5 | 87.6 | 89.3 | 89.1 | 88.6 | 89.8 | 90.7 | 93.2 | 94.3 | 94.1 | 89.5 | 87.0 | 86.5 | | | | 151.1 | |
| (.00891 KG/M3) | | 3150 | 76.1 | 82.5 | 84.3 | 84.4 | 84.4 | 86.4 | 87.8 | 89.8 | 91.8 | 90.9 | 85.8 | 83.2 | 82.6 | | | | 148.2 | |
| FREQ. SHIFT | | 4000 | 71.3 | 78.1 | 79.4 | 79.9 | 79.7 | 84.0 | 84.1 | 86.2 | 86.9 | 87.6 | 83.5 | 81.1 | 80.2 | | | | 145.2 | |
| JET 9 | | 5000 | 68.6 | 75.3 | 76.6 | 76.6 | 76.9 | 78.2 | 80.4 | 82.3 | 83.9 | 83.8 | 81.4 | 80.1 | 79.6 | | | | 142.4 | |
| DIAMETER RATIO | | 6300 | 66.0 | 70.7 | 72.7 | 73.0 | 74.2 | 78.5 | 77.0 | 79.2 | 79.9 | 82.6 | 82.6 | 82.5 | 81.4 | | | | 142.4 | |
| DF/DH 8.00 | | 8000 | 66.3 | 67.5 | 68.6 | 69.3 | 74.1 | 79.1 | 75.6 | 77.7 | 77.6 | 83.3 | 84.9 | 84.8 | 84.3 | | | | 145.2 | |
| | | 10000 | 67.0 | 64.9 | 65.2 | 66.7 | 75.7 | 75.5 | 76.3 | 77.5 | 76.2 | 85.7 | 87.3 | 87.3 | 86.8 | | | | 149.6 | |
| OVERALL CALCULATED | | | 102.0 | 103.0 | 103.3 | 103.6 | 104.0 | 105.5 | 106.2 | 108.6 | 110.3 | 112.6 | 115.6 | 120.1 | 120.5 | | | | 172.6 | |
| PND8 | | | 108.1 | 111.9 | 113.0 | 113.1 | 113.7 | 115.5 | 116.1 | 118.6 | 120.1 | 121.0 | 120.5 | 122.1 | 121.1 | | | | 120.6 | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| REV, ALPHA 12/73 | FREQ | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 |
| NO EGA | 50 | 85.1 | 64.9 | 66.5 | 69.7 | 70.5 | 72.2 | 73.2 | 75.5 | 77.1 | 80.4 | 80.7 | 86.2 | 86.9 | 82.8 | | | | | |
| SIDELINE 2400, FT. | 80 | 87.1 | 69.9 | 70.7 | 70.5 | 71.0 | 73.8 | 75.0 | 77.4 | 78.7 | 80.7 | 84.1 | 91.2 | 90.6 | 85.6 | | | | | |
| (731.52 M) | 100 | 89.3 | 71.5 | 72.3 | 71.2 | 72.4 | 72.9 | 75.4 | 77.2 | 78.6 | 80.9 | 86.1 | 91.1 | 90.1 | 89.0 | | | | | |
| NFA 0, RPM | 125 | 89.3 | 70.8 | 71.9 | 72.9 | 73.6 | 74.6 | 75.9 | 78.4 | 79.7 | 83.4 | 87.2 | 91.2 | 89.0 | 84.9 | | | | | |
| (0, RAD/SEC) | 160 | 68.2 | 68.7 | 71.4 | 72.0 | 73.3 | 74.9 | 76.5 | 78.3 | 79.4 | 83.4 | 86.1 | 87.5 | 85.5 | 80.2 | | | | | |
| NFK 0, RPM | 200 | 66.9 | 68.3 | 70.7 | 71.7 | 72.9 | 74.6 | 75.7 | 77.6 | 79.1 | 83.3 | 86.6 | 88.4 | 82.6 | 76.8 | | | | | |
| (0, RAD/SEC) | 250 | 65.5 | 68.4 | 70.0 | 71.8 | 72.6 | 75.3 | 75.9 | 77.5 | 78.9 | 82.3 | 85.7 | 85.4 | 80.3 | 73.2 | | | | | |
| NFD 0, RPM | 315 | 65.5 | 66.8 | 68.0 | 72.3 | 72.6 | 76.2 | 75.0 | 76.9 | 78.9 | 80.8 | 83.3 | 83.9 | 79.2 | 70.8 | | | | | |
| (0, RAD/SEC) | 400 | 63.3 | 65.7 | 68.2 | 69.1 | 70.6 | 73.6 | 73.5 | 76.6 | 77.5 | 79.7 | 81.2 | 82.1 | 75.6 | 66.4 | | | | | |
| AIRFLOW RATIO | 500 | 61.0 | 64.9 | 67.1 | 69.1 | 70.5 | 71.8 | 73.4 | 75.3 | 76.8 | 79.0 | 79.5 | 79.6 | 72.5 | 66.0 | | | | | |
| WF/WM 8.00 | 630 | 58.5 | 63.9 | 66.7 | 68.6 | 70.5 | 72.7 | 73.4 | 74.8 | 76.4 | 77.9 | 76.5 | 75.0 | 67.1 | 60.4 | | | | | |
| VEHICLE JENOTS | 800 | 57.7 | 64.1 | 66.8 | 69.4 | 70.8 | 72.8 | 73.9 | 74.8 | 76.5 | 77.3 | 75.1 | 72.0 | 63.2 | 55.2 | | | | | |
| CONFIG JE-057 | 1000 | 58.4 | 67.4 | 70.5 | 72.4 | 73.3 | 74.5 | 74.1 | 75.9 | 75.8 | 76.2 | 72.6 | 69.2 | 62.2 | 54.3 | | | | | |
| LOC EVENDALE | 1250 | 55.9 | 64.2 | 66.8 | 69.7 | 71.9 | 73.6 | 74.7 | 77.2 | 77.4 | 77.6 | 71.5 | 66.4 | 59.0 | 50.5 | | | | | |
| DATE 04-29-75 | 1600 | 55.2 | 63.5 | 66.7 | 69.2 | 70.5 | 73.3 | 74.1 | 77.0 | 78.9 | 76.9 | 71.1 | 64.8 | 57.4 | 48.8 | | | | | |
| RUN DBTF-MODEL 8 | 2000 | 51.2 | 61.0 | 64.6 | 67.2 | 69.8 | 71.5 | 73.0 | 76.2 | 76.9 | 73.8 | 68.0 | 62.0 | 55.2 | 45.3 | | | | | |
| TAPE X60560 | 2500 | 46.2 | 57.7 | 62.3 | 63.7 | 66.5 | 69.3 | 70.2 | 72.4 | 73.2 | 71.5 | 64.7 | 58.2 | 52.0 | 41.3 | | | | | |
| FAN TIP SPEED | 3150 | 39.2 | 52.7 | 58.3 | 60.6 | 61.7 | 63.8 | 64.9 | 67.2 | 67.4 | 65.6 | 58.5 | 52.1 | 45.2 | 31.9 | | | | | |
| FT/SEC | 4000 | 28.0 | 42.5 | 49.1 | 52.2 | 54.1 | 57.2 | 58.9 | 60.6 | 61.5 | 58.7 | 50.6 | 43.2 | 34.5 | 18.5 | | | | | |
| | 5000 | 13.2 | 30.4 | 37.9 | 42.2 | 44.4 | 50.0 | 50.5 | 52.3 | 51.6 | 49.9 | 42.0 | 33.4 | 22.0 | 0.2 | | | | | |
| | 6300 | 4.6 | 23.1 | 31.3 | 35.7 | 38.7 | 41.5 | 44.1 | 45.6 | 45.7 | 42.9 | 36.2 | 27.9 | 15.6 | | | | | | |
| | 8000 | | 5.4 | 16.7 | 22.7 | 27.4 | 33.6 | 32.7 | 34.3 | 33.1 | 32.3 | 26.5 | 17.2 | 0.2 | | | | | | |
| | 10000 | | | | 4.6 | 14.2 | 21.8 | 19.1 | 20.3 | 17.7 | 18.6 | 12.3 | | | | | | | | |
| OVERALL CALCULATED | | 77.0 | 79.5 | 81.4 | 82.8 | 84.0 | 86.0 | 86.9 | 89.0 | 90.2 | 92.5 | 95.0 | 98.1 | 96.3 | 92.7 | | | | | |
| PDR | | 77.6 | 82.9 | 86.0 | 88.2 | 90.1 | 92.2 | 93.3 | 95.8 | 96.8 | 96.5 | 96.9 | 97.5 | 93.9 | 89.4 | | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | 0, 0, 0, PHL | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|--------------|-----|-------|
| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0, | 0, | 0, | PHL |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | |
| | | 50 | 87.4 | 85.0 | 87.6 | 87.2 | 87.7 | 88.5 | 90.1 | 91.8 | 94.6 | 99.8 | 101.3 | 107.0 | 109.5 | 107.4 | | | | 159.6 |
| | NO EGA | 63 | 89.8 | 90.3 | 89.8 | 88.0 | 88.0 | 89.6 | 91.2 | 93.5 | 94.9 | 98.9 | 103.2 | 110.9 | 112.6 | 109.6 | | | | 162.4 |
| | RDG. NO, 0, | 80 | 91.8 | 91.7 | 90.7 | 89.0 | 90.0 | 89.5 | 91.6 | 93.6 | 95.7 | 99.5 | 106.0 | 111.8 | 112.4 | 112.8 | | | | 163.6 |
| | RADIAL 320. FT. | 100 | 92.2 | 91.7 | 91.6 | 90.8 | 91.3 | 91.0 | 91.9 | 93.4 | 96.8 | 101.3 | 107.2 | 111.8 | 111.7 | 112.7 | | | | 163.6 |
| | (98. M) | 125 | 93.1 | 91.4 | 91.8 | 91.2 | 91.0 | 92.2 | 93.2 | 95.3 | 97.4 | 101.6 | 106.7 | 110.4 | 110.4 | 109.7 | | | | 162.3 |
| | VEHICLE JENOTS | 160 | 92.5 | 91.7 | 91.6 | 91.6 | 92.0 | 92.9 | 93.9 | 95.9 | 97.4 | 102.6 | 107.6 | 112.5 | 110.4 | 108.5 | | | | 163.2 |
| | CONFIG JE-057 | 200 | 92.3 | 91.7 | 91.2 | 91.5 | 92.1 | 93.5 | 94.3 | 96.0 | 97.6 | 102.0 | 106.8 | 110.0 | 109.4 | 107.0 | | | | 161.7 |
| | LOC EVENDALE | 250 | 92.8 | 90.6 | 90.0 | 92.9 | 92.7 | 93.1 | 93.5 | 95.3 | 97.7 | 101.6 | 105.7 | 109.8 | 109.4 | 106.0 | | | | 161.4 |
| | DATE 04-29-75 | 315 | 90.8 | 90.1 | 90.0 | 89.7 | 90.4 | 91.7 | 92.7 | 94.9 | 97.3 | 100.8 | 103.0 | 108.0 | 106.4 | 102.3 | | | | 159.3 |
| | RUN DBTF-MODEL 6 | 400 | 88.1 | 88.7 | 88.6 | 89.2 | 89.9 | 91.1 | 92.1 | 94.4 | 96.3 | 100.4 | 102.2 | 106.4 | 104.4 | 99.7 | | | | 157.9 |
| | TAPE X60578 | 500 | 85.2 | 86.5 | 87.3 | 87.9 | 89.2 | 90.9 | 91.7 | 93.5 | 96.4 | 99.5 | 100.4 | 103.1 | 98.6 | 95.1 | | | | 155.5 |
| | BAR 29.9 HG | 630 | 84.5 | 85.6 | 86.2 | 87.1 | 88.3 | 89.6 | 91.1 | 93.6 | 95.9 | 99.5 | 99.3 | 100.7 | 95.8 | 90.9 | | | | 154.4 |
| | (01039. N/M2) | 800 | 83.4 | 86.2 | 86.4 | 88.0 | 89.3 | 90.6 | 90.8 | 93.7 | 95.7 | 97.8 | 97.5 | 97.3 | 92.0 | 87.2 | | | | 152.9 |
| | YAMB 59, DEG F | 1000 | 83.5 | 86.3 | 86.8 | 88.3 | 89.8 | 90.8 | 91.0 | 94.4 | 97.3 | 98.2 | 95.2 | 94.2 | 89.4 | 86.4 | | | | 152.8 |
| | (288, DEG K) | 1250 | 83.5 | 86.9 | 87.9 | 89.7 | 90.9 | 91.6 | 92.0 | 95.8 | 96.6 | 100.1 | 95.1 | 93.0 | 89.7 | 87.0 | | | | 153.7 |
| | THET 53, DEG F | 1600 | 82.2 | 85.5 | 86.4 | 87.8 | 89.2 | 90.7 | 91.5 | 95.1 | 98.3 | 98.9 | 96.5 | 92.2 | 89.2 | 86.8 | | | | 153.6 |
| | (285, DEG K) | 2000 | 78.3 | 82.6 | 82.9 | 83.9 | 86.1 | 88.6 | 89.0 | 91.7 | 94.0 | 95.4 | 94.3 | 88.4 | 85.6 | 83.0 | | | | 150.5 |
| | HACT 8.91 GM/M3 | 2500 | 74.0 | 78.1 | 79.0 | 80.1 | 81.9 | 83.8 | 84.9 | 87.5 | 90.1 | 91.3 | 89.0 | 83.7 | 80.8 | 79.1 | | | | 146.5 |
| | (.00891 KG/M3) | 3150 | 70.6 | 74.8 | 76.3 | 77.4 | 78.1 | 82.2 | 82.0 | 84.6 | 88.3 | 88.1 | 85.1 | 81.2 | 79.8 | 79.5 | | | | 143.8 |
| | FREQ. SHIFT | 4000 | 65.8 | 70.9 | 71.4 | 73.1 | 73.4 | 79.2 | 78.6 | 80.7 | 81.9 | 84.4 | 82.3 | 79.6 | 78.9 | 77.8 | | | | 141.0 |
| | JET 9 | 5000 | 63.9 | 67.6 | 68.8 | 70.1 | 70.4 | 75.2 | 75.2 | 77.1 | 78.7 | 80.0 | 80.9 | 80.1 | 79.1 | 79.6 | | | | 138.9 |
| | DIAMETER RATIO | 6300 | 61.5 | 64.4 | 65.4 | 67.0 | 67.4 | 73.2 | 73.7 | 74.9 | 75.2 | 76.3 | 82.8 | 82.5 | 81.1 | 82.0 | | | | 140.2 |
| | DF/DH 8.00 | 8000 | 62.3 | 63.7 | 64.1 | 65.6 | 66.4 | 77.6 | 74.1 | 76.2 | 74.6 | 75.0 | 85.1 | 85.1 | 84.3 | 85.1 | | | | 144.2 |
| | | 10000 | 63.3 | 63.6 | 63.7 | 65.9 | 67.2 | 85.8 | 76.3 | 77.8 | 75.7 | 76.2 | 87.3 | 87.8 | 86.8 | 86.7 | | | | 149.8 |
| | OVERALL CALCULATED | | 101.9 | 101.6 | 101.6 | 101.9 | 102.5 | 103.7 | 104.5 | 105.9 | 109.0 | 112.6 | 116.0 | 120.4 | 120.3 | 119.1 | | | | 172.3 |
| | PND8 | | 106.7 | 107.8 | 108.3 | 109.3 | 110.3 | 112.4 | 112.9 | 115.7 | 118.0 | 120.1 | 121.0 | 123.3 | 122.2 | 120.3 | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | |
| REV. ALPHA 12/73 FREQ | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| NO EGA | | 50 | 63.6 | 63.4 | 67.5 | 68.2 | 69.5 | 70.7 | 72.4 | 74.0 | 76.4 | 80.9 | 81.2 | 85.5 | 85.6 | 80.1 | | | | | | |
| SIDELINE 2400. FT. | | 63 | 65.9 | 68.7 | 69.7 | 69.0 | 69.7 | 71.6 | 73.5 | 75.6 | 76.7 | 80.0 | 83.1 | 89.2 | 88.6 | 82.1 | | | | | | |
| (731.52 M) | | 80 | 67.8 | 70.0 | 70.6 | 69.9 | 71.7 | 71.6 | 73.9 | 75.7 | 77.4 | 80.4 | 85.8 | 90.1 | 88.4 | 85.2 | | | | | | |
| NFA | | 100 | 68.0 | 69.8 | 71.4 | 71.7 | 72.9 | 73.1 | 74.1 | 77.4 | 78.4 | 82.2 | 87.0 | 89.9 | 87.5 | 84.9 | | | | | | |
| (0. RPM | | 125 | 68.7 | 69.4 | 71.4 | 72.0 | 72.6 | 74.2 | 75.3 | 77.3 | 78.9 | 82.4 | 86.4 | 88.5 | 86.0 | 81.7 | | | | | | |
| (0. RAD/SEC) | | 160 | 67.9 | 69.6 | 71.2 | 72.2 | 73.4 | 74.8 | 75.9 | 77.8 | 78.9 | 83.3 | 87.1 | 90.4 | 85.9 | 80.1 | | | | | | |
| NFK | | 200 | 67.5 | 69.4 | 70.5 | 72.0 | 73.4 | 75.3 | 76.2 | 77.8 | 78.9 | 82.5 | 86.2 | 87.6 | 84.6 | 78.2 | | | | | | |
| (0. RPM | | 250 | 67.7 | 68.0 | 69.2 | 73.3 | 73.9 | 74.7 | 75.3 | 76.9 | 78.9 | 82.0 | 84.8 | 87.2 | 84.2 | 76.8 | | | | | | |
| (0. RAD/SEC) | | 315 | 65.3 | 67.2 | 68.9 | 69.9 | 71.3 | 73.1 | 74.3 | 76.3 | 78.2 | 81.0 | 81.9 | 85.1 | 80.9 | 72.4 | | | | | | |
| NFD | | 400 | 62.0 | 65.4 | 67.1 | 69.1 | 70.5 | 72.3 | 73.4 | 75.6 | 77.0 | 80.2 | 80.8 | 83.1 | 78.2 | 69.0 | | | | | | |
| (0. RPM | | 500 | 58.5 | 62.7 | 65.4 | 67.3 | 69.5 | 71.7 | 72.7 | 74.3 | 76.7 | 78.9 | 78.5 | 79.3 | 71.8 | 63.4 | | | | | | |
| (0. RAD/SEC) | | 630 | 56.9 | 61.1 | 63.8 | 66.2 | 68.3 | 70.1 | 71.7 | 74.0 | 75.8 | 78.6 | 76.9 | 76.2 | 68.2 | 57.9 | | | | | | |
| AIRFLOW RATIO | | 800 | 54.6 | 60.9 | 63.3 | 66.4 | 68.6 | 70.5 | 70.8 | 73.6 | 75.0 | 76.2 | 74.4 | 72.0 | 63.2 | 52.6 | | | | | | |
| WF/WB 8.00 | | 1000 | 53.4 | 59.9 | 62.8 | 65.9 | 68.4 | 70.1 | 70.4 | 73.7 | 75.9 | 75.8 | 71.2 | 67.9 | 59.3 | 49.7 | | | | | | |
| VEHICLE JENOTS | | 1250 | 51.7 | 57.3 | 62.9 | 66.5 | 68.8 | 70.1 | 70.6 | 74.2 | 74.4 | 76.9 | 70.1 | 65.3 | 57.9 | 47.8 | | | | | | |
| CONFIG JE-057 | | 1600 | 48.0 | 56.0 | 59.8 | 63.2 | 65.8 | 68.0 | 69.0 | 72.4 | 74.9 | 74.3 | 70.0 | 62.8 | 55.0 | 44.0 | | | | | | |
| LOC EVENDALE | | 2000 | 41.2 | 50.9 | 54.5 | 57.7 | 61.3 | 64.6 | 65.2 | 67.7 | 69.2 | 69.2 | 66.0 | 56.7 | 48.5 | 35.8 | | | | | | |
| DATE 04-29-75 | | 2500 | 32.7 | 43.2 | 48.0 | 51.6 | 54.9 | 57.8 | 59.2 | 61.4 | 63.2 | 62.8 | 58.0 | 48.8 | 39.5 | 25.7 | | | | | | |
| RUN DBTF-MODEL 8 | | 3150 | 22.5 | 34.8 | 41.1 | 45.2 | 47.9 | 52.9 | 53.2 | 55.3 | 56.0 | 55.9 | 49.9 | 41.2 | 31.8 | 16.0 | | | | | | |
| TAPE X60570 | | 4000 | 7.7 | 23.2 | 29.9 | 35.4 | 38.1 | 45.2 | 45.0 | 46.8 | 46.6 | 46.7 | 40.7 | 31.9 | 20.8 | | | | | | | |
| FAN TIP SPEED | | 5000 | | 15.4 | 23.6 | 29.2 | 32.2 | 38.5 | 38.9 | 40.3 | 40.5 | 39.1 | 35.7 | 27.9 | 15.1 | | | | | | | |
| FT/SEC | | 6300 | | | 9.4 | 16.7 | 20.6 | 28.3 | 29.4 | 30.0 | 28.4 | 26.0 | 26.8 | 17.2 | | | | | | | | |
| | | 8000 | | | | 0.8 | 6.4 | 20.3 | 17.6 | 18.8 | 14.7 | 10.3 | 12.5 | | | | | | | | | |
| | | 10000 | | | | | 11.1 | 2.7 | 3.1 | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 77.0 | 78.9 | 80.5 | 81.8 | 83.2 | 84.5 | 85.6 | 87.8 | 89.4 | 92.5 | 95.3 | 98.3 | 95.9 | 91.1 | | | | | | |
| PNDB | | | 77.9 | 80.8 | 83.1 | 85.8 | 87.4 | 89.5 | 90.5 | 93.2 | 95.0 | 96.4 | 97.5 | 98.7 | 94.9 | 88.9 | | | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | PWL |
|------------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|-----|
| REV. ALPHA 12/73 FREQ. | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA. | 50 | 93.2 | 91.2 | 91.3 | 92.4 | 93.7 | 94.2 | 95.8 | 97.6 | 99.8 | 104.8 | 107.0 | 112.8 | 116.2 | 112.1 | | | | | | |
| RDG. NO. | 63 | 96.3 | 96.8 | 95.8 | 94.3 | 94.5 | 95.6 | 97.2 | 100.2 | 101.7 | 104.9 | 110.0 | 118.6 | 120.3 | 116.8 | | | | | | |
| RADIAL 320. FT. | 80 | 99.1 | 99.2 | 98.0 | 95.2 | 96.0 | 96.0 | 97.6 | 99.9 | 102.7 | 105.5 | 112.7 | 119.3 | 120.4 | 117.8 | | | | | | |
| (98. M) | 100 | 99.0 | 98.7 | 97.9 | 97.8 | 97.5 | 97.5 | 98.9 | 101.6 | 103.0 | 108.0 | 113.7 | 119.3 | 119.5 | 117.5 | | | | | | |
| VEHICLE JENOTS | 125 | 98.8 | 96.4 | 97.3 | 96.7 | 96.5 | 97.2 | 99.4 | 101.3 | 103.1 | 108.3 | 113.5 | 115.7 | 115.6 | 113.4 | | | | | | |
| CONFIG JE-057 | 160 | 96.7 | 95.7 | 96.1 | 96.5 | 96.5 | 97.7 | 99.2 | 101.2 | 102.9 | 107.6 | 113.3 | 116.7 | 112.9 | 110.2 | | | | | | |
| LOC EVENDALE | 200 | 95.1 | 95.7 | 95.4 | 95.7 | 96.8 | 98.0 | 99.3 | 101.0 | 103.1 | 108.0 | 112.6 | 113.5 | 110.1 | 107.0 | | | | | | |
| DATE 04-29-75 | 250 | 96.3 | 94.8 | 94.0 | 96.4 | 96.7 | 97.6 | 98.0 | 100.6 | 102.0 | 106.4 | 110.7 | 111.8 | 108.4 | 104.8 | | | | | | |
| RUN DBTF-MODEL 8 | 315 | 94.3 | 94.1 | 94.8 | 94.0 | 95.1 | 96.2 | 97.7 | 99.4 | 102.5 | 105.3 | 108.3 | 110.2 | 105.4 | 101.0 | | | | | | |
| TAPE X60588 | 400 | 93.1 | 94.2 | 93.8 | 94.7 | 95.4 | 95.9 | 97.3 | 99.7 | 100.8 | 104.9 | 107.2 | 107.4 | 102.3 | 99.7 | | | | | | |
| BAR 29.9 HG | 500 | 90.7 | 93.7 | 93.5 | 94.1 | 94.9 | 96.6 | 97.2 | 99.2 | 100.8 | 103.9 | 105.1 | 104.1 | 99.1 | 96.5 | | | | | | |
| (01039, N/M2) | 630 | 91.3 | 95.5 | 94.9 | 94.6 | 96.1 | 97.1 | 97.8 | 99.8 | 101.9 | 103.3 | 103.5 | 101.9 | 97.5 | 95.4 | | | | | | |
| TAMR 59, DEG F | 800 | 91.8 | 98.7 | 96.8 | 97.2 | 98.2 | 98.3 | 98.4 | 100.0 | 101.6 | 101.3 | 102.0 | 100.0 | 96.7 | 95.2 | | | | | | |
| (288, DEG K) | 1000 | 91.9 | 99.5 | 98.7 | 99.2 | 99.3 | 99.6 | 99.0 | 100.1 | 102.2 | 101.1 | 99.6 | 98.7 | 95.8 | 94.6 | | | | | | |
| THWT 53, DEG F | 1250 | 91.9 | 99.6 | 99.1 | 99.9 | 100.9 | 101.0 | 99.9 | 101.7 | 103.3 | 101.6 | 99.5 | 97.4 | 95.8 | 94.9 | | | | | | |
| (285, DEG K) | 1600 | 89.9 | 97.4 | 97.5 | 99.2 | 100.6 | 101.6 | 101.4 | 102.0 | 102.5 | 101.1 | 98.7 | 96.4 | 94.6 | 94.5 | | | | | | |
| HACT 8.91 GM/M3 | 2000 | 87.7 | 94.5 | 95.5 | 96.6 | 99.5 | 100.3 | 100.6 | 101.9 | 102.2 | 99.8 | 97.5 | 95.0 | 92.8 | 91.9 | | | | | | |
| (.00891 KG/M3) | 2500 | 85.2 | 92.2 | 92.7 | 94.2 | 96.0 | 96.7 | 98.3 | 99.4 | 100.2 | 97.7 | 95.9 | 93.1 | 90.9 | 90.5 | | | | | | |
| FREQ. SHIFT | 3150 | 82.0 | 88.9 | 90.2 | 92.0 | 92.8 | 94.5 | 94.9 | 96.7 | 97.5 | 95.3 | 93.7 | 91.4 | 90.5 | 90.4 | | | | | | |
| JFT 9 | 4000 | 77.5 | 84.5 | 86.1 | 88.0 | 88.6 | 90.9 | 91.2 | 93.4 | 93.3 | 91.7 | 92.1 | 89.8 | 88.8 | 88.7 | | | | | | |
| DIAMETER RATIO | 5000 | 74.5 | 81.0 | 82.2 | 84.0 | 84.8 | 85.9 | 87.1 | 89.5 | 90.1 | 87.7 | 92.1 | 89.5 | 89.0 | 90.5 | | | | | | |
| DF/DH 8.00 | 6300 | 73.2 | 77.1 | 78.1 | 79.9 | 80.6 | 81.9 | 82.7 | 87.1 | 86.9 | 87.0 | 93.8 | 92.5 | 91.8 | 92.9 | | | | | | |
| | 8000 | 75.2 | 75.4 | 75.6 | 77.5 | 78.6 | 77.8 | 79.8 | 86.6 | 86.1 | 88.7 | 96.3 | 95.3 | 94.7 | 95.0 | | | | | | |
| | 10000 | 77.0 | 75.6 | 75.4 | 76.7 | 78.4 | 77.5 | 78.3 | 88.3 | 86.4 | 91.7 | 98.5 | 98.2 | 97.5 | 97.2 | | | | | | |
| OVERALL CALCULATED | | 107.5 | 109.3 | 108.9 | 109.2 | 110.1 | 110.8 | 111.4 | 113.3 | 114.8 | 117.6 | 121.9 | 126.1 | 126.3 | 123.5 | | | | | | |
| PNDR | | 113.3 | 118.0 | 118.1 | 119.2 | 120.6 | 121.5 | 122.0 | 123.8 | 124.7 | 124.8 | 127.0 | 128.3 | 127.2 | 125.4 | | | | | | |

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) |
| REV. ALPHA 12/73 | FREQ. | | | | | | | | | | | | | | | | |
| | 50 | 69.3 | 69.6 | 71.3 | 73.5 | 75.5 | 76.4 | 78.2 | 79.8 | 81.6 | 85.9 | 87.0 | 91.2 | 92.4 | 84.8 | | |
| NO EGA | 63 | 72.4 | 75.2 | 75.7 | 75.3 | 76.2 | 77.8 | 79.5 | 82.4 | 83.4 | 86.0 | 89.9 | 97.0 | 96.4 | 89.4 | | |
| SIDELINE 2400. FT. | 80 | 75.0 | 77.5 | 77.8 | 76.2 | 77.7 | 78.1 | 79.9 | 82.0 | 84.4 | 86.4 | 92.6 | 97.6 | 96.4 | 90.2 | | |
| (731.52 M) | 100 | 74.8 | 76.8 | 77.7 | 78.7 | 79.1 | 79.6 | 81.1 | 83.7 | 84.7 | 88.9 | 93.5 | 97.4 | 95.3 | 89.7 | | |
| NFA | 125 | 74.5 | 74.4 | 76.9 | 77.5 | 78.1 | 79.2 | 81.5 | 83.3 | 84.7 | 89.2 | 93.1 | 93.7 | 91.3 | 85.4 | | |
| (0. RAD/SEC) | 160 | 72.2 | 73.6 | 75.6 | 77.2 | 77.9 | 79.6 | 81.2 | 83.1 | 84.4 | 88.3 | 92.9 | 94.6 | 88.4 | 81.8 | | |
| NFK | 200 | 70.2 | 73.4 | 74.8 | 76.3 | 78.1 | 79.8 | 81.2 | 82.8 | 84.4 | 88.5 | 92.0 | 91.1 | 85.3 | 78.2 | | |
| (0. RAD/SEC) | 250 | 71.2 | 72.3 | 73.2 | 76.8 | 77.9 | 79.2 | 79.8 | 82.2 | 83.1 | 86.8 | 89.8 | 89.2 | 83.2 | 75.6 | | |
| NFD | 315 | 68.7 | 71.2 | 73.7 | 74.1 | 76.0 | 77.6 | 79.3 | 80.8 | 83.5 | 85.5 | 87.2 | 87.3 | 79.9 | 71.1 | | |
| (0. RAD/SEC) | 400 | 67.0 | 70.9 | 72.4 | 74.6 | 76.0 | 77.0 | 78.6 | 80.8 | 81.5 | 84.7 | 85.8 | 84.1 | 76.2 | 69.0 | | |
| AIRFLOW RATIO | 500 | 63.9 | 69.9 | 71.7 | 73.6 | 75.3 | 77.4 | 78.1 | 80.1 | 81.2 | 83.4 | 83.2 | 80.3 | 72.3 | 64.9 | | |
| WF/HM 8.00 | 630 | 63.7 | 71.1 | 72.5 | 73.6 | 76.0 | 77.5 | 78.4 | 80.2 | 81.8 | 82.3 | 81.1 | 77.4 | 69.9 | 62.4 | | |
| | 800 | 63.1 | 73.3 | 73.7 | 75.6 | 77.6 | 78.2 | 78.5 | 79.9 | 81.0 | 79.6 | 78.9 | 74.7 | 67.9 | 60.5 | | |
| VEHICLE JENOTS | 1000 | 61.8 | 73.1 | 74.8 | 76.9 | 78.2 | 78.8 | 78.4 | 79.4 | 80.9 | 78.8 | 75.7 | 72.3 | 65.7 | 57.9 | | |
| CONFIG JE-057 | 1250 | 60.1 | 72.0 | 74.1 | 76.6 | 78.7 | 79.5 | 78.6 | 80.2 | 81.1 | 78.3 | 74.5 | 69.7 | 64.0 | 55.7 | | |
| LOC EVENDALE | 1600 | 55.7 | 67.9 | 71.0 | 74.6 | 77.3 | 78.9 | 79.0 | 79.3 | 79.1 | 76.5 | 72.2 | 66.9 | 60.4 | 51.7 | | |
| DATE 04-29-75 | 2000 | 50.6 | 62.8 | 67.2 | 70.4 | 74.7 | 76.2 | 76.8 | 77.8 | 77.3 | 73.6 | 69.1 | 63.3 | 55.6 | 44.7 | | |
| RUN DBTF-MODEL 8 | 2500 | 43.9 | 57.3 | 61.7 | 65.8 | 69.1 | 70.7 | 72.6 | 73.3 | 73.3 | 69.2 | 64.9 | 58.2 | 49.6 | 37.1 | | |
| TAPE X60580 | 3150 | 33.9 | 48.9 | 55.0 | 59.9 | 62.5 | 65.3 | 66.0 | 67.5 | 67.2 | 63.1 | 58.5 | 51.3 | 42.4 | 26.9 | | |
| FAN TIP SPEED | 4000 | 19.3 | 36.8 | 44.5 | 50.3 | 53.3 | 56.9 | 57.6 | 59.4 | 58.0 | 54.1 | 50.6 | 42.0 | 30.7 | 10.1 | | |
| | 5000 | 10.5 | 28.8 | 37.0 | 43.1 | 46.6 | 49.1 | 50.8 | 52.7 | 51.9 | 46.8 | 46.9 | 37.3 | 25.0 | 3.1 | | |
| FT/SEC | 6300 | | 11.8 | 22.1 | 29.6 | 33.8 | 37.0 | 38.4 | 42.2 | 40.1 | 36.7 | 37.7 | 27.2 | 10.6 | | | |
| | 8000 | | | 3.0 | 12.8 | 18.6 | 20.5 | 23.3 | 29.3 | 26.1 | 24.0 | 23.7 | 9.9 | | | | |
| | 10000 | | | | | 0.1 | 2.8 | 4.7 | 13.5 | 8.1 | 6.8 | 2.8 | | | | | |
| OVERALL CALCULATED | | 82.5 | 85.4 | 86.8 | 88.1 | 89.6 | 90.8 | 91.9 | 93.7 | 95.0 | 97.8 | 101.3 | 104.1 | 102.2 | 95.8 | | |
| PND8 | | 83.5 | 89.4 | 92.9 | 94.8 | 96.8 | 98.4 | 99.0 | 100.4 | 100.9 | 101.5 | 103.1 | 103.4 | 99.7 | 93.0 | | |

PROC: DATE - MONTH 5 DAY 6 HR, 11.4
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159, DEG. F, 70 PERCENT REL, NOM, DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 59 | 91.2 | 89.7 | 89.3 | 90.9 | 91.4 | 92.7 | 93.8 | 96.1 | 97.8 | 103.3 | 105.0 | 111.8 | 114.2 | 111.1 | | | 164.0 |
| RDG. NO. 0. | 63 | 94.3 | 95.1 | 93.8 | 92.3 | 92.2 | 94.1 | 95.5 | 98.2 | 99.4 | 102.4 | 108.2 | 116.4 | 118.1 | 115.1 | | | 167.8 |
| RADIAL 320. FT. | 80 | 96.6 | 97.0 | 96.0 | 93.7 | 94.5 | 94.3 | 96.4 | 98.4 | 100.7 | 103.7 | 110.7 | 117.3 | 117.9 | 116.6 | | | 168.6 |
| (98. H) | 100 | 97.2 | 96.9 | 95.9 | 95.8 | 95.0 | 95.5 | 97.2 | 100.1 | 101.5 | 106.3 | 112.2 | 117.8 | 117.0 | 116.2 | | | 168.7 |
| VEHICLE JENOTS | 125 | 97.1 | 94.6 | 95.8 | 95.2 | 95.3 | 95.9 | 97.7 | 99.6 | 101.6 | 106.3 | 112.0 | 115.2 | 113.4 | 112.2 | | | 166.4 |
| CONFIG JE-057 | 160 | 95.8 | 94.7 | 95.1 | 94.3 | 95.2 | 96.7 | 97.9 | 99.4 | 101.4 | 106.4 | 112.6 | 116.2 | 111.9 | 110.0 | | | 166.6 |
| LOC EVENDALE | 200 | 93.8 | 95.0 | 94.7 | 94.7 | 95.1 | 96.5 | 97.5 | 99.2 | 101.3 | 106.3 | 111.8 | 113.7 | 110.9 | 106.2 | | | 165.1 |
| DATE 04-29-75 | 258 | 95.1 | 93.8 | 93.0 | 95.4 | 95.7 | 96.4 | 96.8 | 98.8 | 100.7 | 104.6 | 110.2 | 113.3 | 108.9 | 104.3 | | | 164.0 |
| RUN DBTF-MODEL 6 | 315 | 93.8 | 93.8 | 93.5 | 93.0 | 93.6 | 94.9 | 96.0 | 98.4 | 101.1 | 104.6 | 108.3 | 111.5 | 105.2 | 100.5 | | | 162.3 |
| TAPE X60590 | 400 | 92.8 | 93.2 | 93.3 | 94.0 | 93.9 | 94.9 | 95.3 | 98.2 | 100.1 | 103.4 | 107.0 | 109.4 | 102.6 | 98.7 | | | 160.8 |
| BAR 29.9 HG | 500 | 91.7 | 93.0 | 92.3 | 93.4 | 93.9 | 95.6 | 95.4 | 97.8 | 99.4 | 102.7 | 105.1 | 105.6 | 97.9 | 94.8 | | | 158.8 |
| (01039, N/M2) | 630 | 91.0 | 94.8 | 94.4 | 94.1 | 94.8 | 95.6 | 96.8 | 98.3 | 99.9 | 102.0 | 103.3 | 102.7 | 96.3 | 93.1 | | | 158.0 |
| TAMB 59, DEG F | 800 | 92.4 | 97.4 | 97.6 | 97.7 | 97.8 | 97.3 | 97.0 | 98.2 | 99.4 | 101.0 | 101.0 | 99.3 | 95.0 | 92.7 | | | 157.8 |
| (288, DEG K) | 1000 | 92.0 | 97.3 | 96.8 | 97.5 | 98.8 | 98.1 | 97.2 | 99.7 | 100.5 | 100.9 | 99.2 | 97.0 | 92.6 | 91.9 | | | 157.8 |
| THET 53, DEG F | 1250 | 92.0 | 97.7 | 97.4 | 99.2 | 99.9 | 99.9 | 98.2 | 100.3 | 102.6 | 101.6 | 98.1 | 96.0 | 93.2 | 92.3 | | | 158.9 |
| (285, DEG K) | 1600 | 89.7 | 95.5 | 95.6 | 97.6 | 99.7 | 100.5 | 101.3 | 101.4 | 101.0 | 99.9 | 97.0 | 94.7 | 92.4 | 91.6 | | | 158.8 |
| HACT 8.91 GM/M3 | 2000 | 86.6 | 92.9 | 93.6 | 94.7 | 96.9 | 97.9 | 99.0 | 101.0 | 100.5 | 98.4 | 95.1 | 92.1 | 90.1 | 89.2 | | | 157.3 |
| (.00891 KG/M3) | 2500 | 83.0 | 88.8 | 89.8 | 91.6 | 92.6 | 94.1 | 95.2 | 97.0 | 98.8 | 95.8 | 92.5 | 89.5 | 87.3 | 85.8 | | | 154.4 |
| FREQ. SHIFT | 3150 | 79.8 | 86.3 | 87.5 | 88.6 | 89.4 | 91.7 | 92.0 | 93.6 | 95.1 | 93.1 | 89.1 | 86.5 | 84.6 | 84.0 | | | 151.8 |
| JET 9 | 4000 | 75.3 | 81.6 | 83.4 | 84.6 | 85.2 | 90.2 | 89.1 | 90.2 | 96.4 | 89.4 | 86.0 | 83.6 | 81.9 | 80.1 | | | 149.1 |
| DIAMETER RATIO | 5000 | 72.9 | 78.6 | 79.8 | 81.4 | 81.9 | 88.5 | 84.9 | 86.8 | 87.7 | 86.3 | 83.4 | 81.6 | 80.6 | 80.6 | | | 146.6 |
| DF/DH 8.00 | 6300 | 71.7 | 75.2 | 75.9 | 77.7 | 78.4 | 85.0 | 81.5 | 82.9 | 84.2 | 85.3 | 84.1 | 83.8 | 82.4 | 82.2 | | | 145.5 |
| OVERALL CALCULATED | 8000 | 73.8 | 73.7 | 74.1 | 76.1 | 76.9 | 85.9 | 78.4 | 80.9 | 81.1 | 86.8 | 85.6 | 86.1 | 84.8 | 84.3 | | | 147.8 |
| PNDR | 10000 | 75.3 | 73.4 | 73.7 | 75.4 | 77.2 | 86.0 | 77.6 | 79.3 | 78.5 | 90.0 | 87.5 | 87.5 | 86.8 | 86.2 | | | 151.8 |
| | | 106.2 | 107.7 | 107.5 | 107.9 | 108.7 | 109.4 | 109.9 | 111.8 | 113.2 | 116.2 | 120.7 | 125.1 | 124.3 | 122.3 | | | 178.7 |
| | | 112.5 | 116.2 | 116.7 | 117.6 | 118.8 | 120.3 | 120.4 | 122.2 | 123.0 | 123.4 | 125.1 | 126.9 | 124.6 | 122.9 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 67.3 | 68.1 | 69.3 | 72.0 | 73.2 | 74.9 | 76.2 | 78.3 | 79.6 | 84.4 | 85.0 | 90.2 | 90.4 | 83.8 | | | |
| SIDELINE 2400. FT. | 63 | 70.4 | 73.4 | 73.7 | 73.3 | 74.0 | 76.3 | 77.8 | 80.4 | 81.2 | 83.5 | 88.1 | 94.7 | 94.1 | 87.6 | | | |
| (731.52 M) | 80 | 72.5 | 75.2 | 75.8 | 74.7 | 76.2 | 76.4 | 78.6 | 80.5 | 82.4 | 84.7 | 90.6 | 95.6 | 93.8 | 89.0 | | | |
| NFA | 100 | 73.0 | 75.1 | 75.7 | 76.7 | 76.6 | 77.6 | 79.4 | 82.2 | 83.2 | 87.2 | 92.0 | 95.9 | 92.8 | 88.4 | | | |
| (0. RPM) | 125 | 72.7 | 72.7 | 75.4 | 76.0 | 76.8 | 77.9 | 79.8 | 81.6 | 83.2 | 87.2 | 91.6 | 93.2 | 89.0 | 84.2 | | | |
| (0. RAD/SEC) | 160 | 71.2 | 72.6 | 74.7 | 75.0 | 76.7 | 78.6 | 79.9 | 81.3 | 82.9 | 87.1 | 92.1 | 94.1 | 87.4 | 81.6 | | | |
| NFK | 200 | 69.0 | 72.7 | 74.0 | 75.3 | 76.4 | 78.3 | 79.4 | 81.0 | 82.7 | 86.8 | 91.2 | 91.4 | 86.1 | 77.5 | | | |
| (0. RPM) | 250 | 70.0 | 71.3 | 72.2 | 75.8 | 76.9 | 78.0 | 78.5 | 80.4 | 81.9 | 85.0 | 89.3 | 90.7 | 83.7 | 75.1 | | | |
| (0. RAD/SEC) | 315 | 68.3 | 70.9 | 72.4 | 73.1 | 74.6 | 76.3 | 77.5 | 79.8 | 82.0 | 84.7 | 87.2 | 88.6 | 79.6 | 70.6 | | | |
| NFD | 400 | 66.7 | 69.9 | 71.9 | 73.8 | 74.5 | 76.0 | 76.6 | 79.3 | 80.8 | 83.2 | 85.5 | 86.1 | 76.5 | 68.0 | | | |
| (0. RPM) | 500 | 65.0 | 67.2 | 70.4 | 72.8 | 74.3 | 76.5 | 76.4 | 78.6 | 79.7 | 82.2 | 83.3 | 81.8 | 71.1 | 63.1 | | | |
| (0. RAD/SEC) | 630 | 63.4 | 70.4 | 72.0 | 73.2 | 74.8 | 76.1 | 77.4 | 78.8 | 79.8 | 81.1 | 80.9 | 78.2 | 68.7 | 60.2 | | | |
| AIRFLOW RATIO | 800 | 63.6 | 72.1 | 74.5 | 76.1 | 77.1 | 77.2 | 77.1 | 78.1 | 78.8 | 79.4 | 77.9 | 74.0 | 66.2 | 58.1 | | | |
| WF/WH 8.00 | 1000 | 61.9 | 70.9 | 72.8 | 75.2 | 77.4 | 77.3 | 76.7 | 78.9 | 79.2 | 78.6 | 75.2 | 70.6 | 62.5 | 55.2 | | | |
| VEHICLE JENOTS | 1250 | 60.2 | 70.0 | 72.4 | 76.0 | 77.8 | 78.3 | 76.9 | 78.7 | 80.4 | 78.4 | 73.1 | 68.3 | 61.4 | 53.1 | | | |
| CONFIG JE-057 | 1600 | 55.5 | 66.0 | 70.1 | 73.0 | 76.3 | 77.8 | 78.8 | 78.7 | 77.7 | 75.3 | 70.5 | 65.3 | 58.2 | 48.8 | | | |
| LOC EVENDALE | 2000 | 49.5 | 61.2 | 65.3 | 68.5 | 72.0 | 73.8 | 75.2 | 76.9 | 75.7 | 72.2 | 66.7 | 60.4 | 53.0 | 42.1 | | | |
| DATE 04-29-75 | 2500 | 41.7 | 53.9 | 58.8 | 63.1 | 65.7 | 68.0 | 69.4 | 70.9 | 71.9 | 67.3 | 61.5 | 54.6 | 46.0 | 32.4 | | | |
| RUN DBTF-MODEL 6 | 3150 | 31.8 | 45.3 | 52.3 | 56.5 | 59.1 | 62.4 | 63.2 | 64.3 | 64.8 | 60.9 | 53.9 | 46.4 | 36.5 | 20.5 | | | |
| TAPE X60590 | 4000 | 17.2 | 33.9 | 41.9 | 46.9 | 49.9 | 56.2 | 55.5 | 56.3 | 55.1 | 51.7 | 44.5 | 35.9 | 23.8 | 1.5 | | | |
| FAN TIP SPEED | 5000 | 8.9 | 26.4 | 34.6 | 40.5 | 43.7 | 51.7 | 48.6 | 50.1 | 49.5 | 45.4 | 38.2 | 29.4 | 16.6 | | | | |
| FT/SEC | 6300 | | 9.9 | 19.9 | 27.4 | 31.6 | 40.1 | 37.2 | 38.0 | 37.4 | 35.0 | 28.0 | 18.5 | 1.2 | | | | |
| | 8000 | | | 1.5 | 11.3 | 16.9 | 28.5 | 21.8 | 23.6 | 21.2 | 22.1 | 13.0 | 0.7 | | | | | |
| | 10000 | | | | | 11.3 | 4.0 | 4.6 | 0.2 | 5.1 | | | | | | | | |
| OVERALL CALCULATED | | 81.0 | 83.9 | 85.5 | 86.8 | 88.2 | 89.4 | 90.3 | 92.2 | 93.4 | 96.3 | 100.1 | 103.0 | 100.1 | 94.5 | | | |
| PND8 | | 82.4 | 87.7 | 90.6 | 93.0 | 95.4 | 97.0 | 97.8 | 99.0 | 99.2 | 100.0 | 102.0 | 102.6 | 97.8 | 91.7 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-------|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| REV. ALPHA 12/73 | FREQ | 50 | 89.9 | 87.7 | 88.3 | 89.7 | 90.4 | 91.0 | 91.8 | 95.1 | 96.6 | 101.8 | 103.8 | 109.5 | 112.2 | 109.9 | | | 162.2 | |
| | | 63 | 92.6 | 93.8 | 92.3 | 90.8 | 90.7 | 92.6 | 94.2 | 96.7 | 97.9 | 101.7 | 107.0 | 114.4 | 116.3 | 112.8 | | | 166.0 | |
| RDG. NO. 01 | | 80 | 95.1 | 95.2 | 94.2 | 92.5 | 93.0 | 92.5 | 94.9 | 96.6 | 99.2 | 102.7 | 110.0 | 115.6 | 116.2 | 114.8 | | | 167.0 | |
| RADIAL 320. FT. | | 100 | 96.2 | 95.4 | 94.9 | 94.8 | 94.3 | 94.5 | 95.7 | 99.1 | 100.0 | 105.3 | 111.7 | 116.3 | 115.7 | 115.5 | | | 167.6 | |
| (98. M) | | 125 | 96.8 | 94.1 | 94.5 | 94.7 | 94.8 | 95.9 | 96.9 | 98.6 | 100.4 | 105.8 | 112.0 | 114.9 | 113.6 | 112.7 | | | 166.3 | |
| VEHICLE JENQTS | | 160 | 96.3 | 95.2 | 95.1 | 95.1 | 95.5 | 96.2 | 97.4 | 99.4 | 100.7 | 106.6 | 113.6 | 117.2 | 113.7 | 111.2 | | | 167.6 | |
| CONFIG JE-057 | | 200 | 95.3 | 95.5 | 94.9 | 95.5 | 95.6 | 96.5 | 97.5 | 100.0 | 100.8 | 106.0 | 112.8 | 115.2 | 113.1 | 109.0 | | | 166.4 | |
| LOC EVENDALE | | 250 | 96.3 | 95.1 | 94.0 | 96.4 | 96.2 | 96.6 | 97.3 | 99.1 | 101.7 | 105.9 | 111.7 | 115.0 | 112.1 | 108.5 | | | 165.9 | |
| DATE 04-29-75 | | 315 | 96.1 | 95.8 | 95.0 | 94.2 | 94.4 | 95.2 | 96.7 | 99.2 | 101.3 | 105.6 | 109.5 | 114.2 | 109.2 | 105.0 | | | 164.5 | |
| RUN DBTF-MODEL 6 | | 400 | 94.8 | 95.2 | 94.8 | 95.2 | 94.9 | 95.1 | 95.6 | 98.7 | 100.1 | 105.1 | 109.0 | 111.9 | 107.4 | 102.7 | | | 163.0 | |
| TAPE X60600 | | 500 | 92.7 | 94.2 | 93.3 | 94.1 | 94.4 | 95.1 | 95.4 | 98.3 | 100.4 | 104.2 | 107.6 | 108.9 | 102.9 | 99.1 | | | 161.1 | |
| BAR 29.9 HG | | 630 | 92.0 | 94.3 | 93.9 | 93.6 | 93.8 | 95.1 | 96.1 | 98.1 | 100.4 | 103.8 | 106.3 | 107.4 | 99.8 | 96.4 | | | 160.1 | |
| (01039, N/M2) | | 800 | 91.9 | 94.9 | 94.9 | 95.3 | 95.5 | 95.8 | 95.8 | 97.7 | 99.9 | 102.3 | 103.7 | 104.8 | 97.5 | 93.0 | | | 158.6 | |
| TAMB 59, DEG F | | 1000 | 91.5 | 95.5 | 95.3 | 96.0 | 97.0 | 97.1 | 96.5 | 98.9 | 101.3 | 101.7 | 102.4 | 102.2 | 95.1 | 92.1 | | | 158.4 | |
| (288, DEG K) | | 1250 | 91.0 | 94.9 | 95.7 | 97.0 | 98.4 | 97.9 | 98.5 | 100.5 | 101.9 | 103.6 | 100.4 | 100.0 | 93.9 | 91.8 | | | 158.9 | |
| THET 53, DEG F | | 1600 | 89.2 | 93.3 | 93.9 | 95.3 | 97.2 | 97.7 | 99.0 | 101.4 | 101.8 | 104.1 | 99.3 | 97.7 | 93.2 | 90.8 | | | 158.9 | |
| (285, DEG K) | | 2000 | 86.1 | 90.1 | 91.1 | 91.9 | 93.9 | 95.1 | 96.0 | 98.7 | 99.8 | 100.7 | 98.6 | 95.4 | 90.6 | 88.0 | | | 156.5 | |
| HACT 8.91 GM/M3 | | 2500 | 82.0 | 86.3 | 87.5 | 89.1 | 90.4 | 91.1 | 92.2 | 94.2 | 96.6 | 97.1 | 95.0 | 91.5 | 86.3 | 84.1 | | | 153.1 | |
| (.00891 KG/M3) | | 3150 | 78.1 | 82.8 | 84.8 | 85.4 | 86.6 | 88.2 | 89.0 | 90.8 | 93.1 | 94.4 | 90.1 | 90.2 | 83.3 | 81.5 | | | 150.3 | |
| FREQ. SHIFT | | 4000 | 73.3 | 77.9 | 79.7 | 80.9 | 81.2 | 85.0 | 85.3 | 87.2 | 89.1 | 90.6 | 86.8 | 88.6 | 80.7 | 78.6 | | | 147.5 | |
| JET 9 | | 5000 | 71.6 | 74.8 | 76.1 | 77.4 | 77.9 | 79.3 | 80.4 | 82.3 | 85.7 | 87.3 | 83.4 | 88.4 | 80.6 | 80.3 | | | 144.7 | |
| DIAMETER RATIO | | 6300 | 71.5 | 72.7 | 72.9 | 74.5 | 74.7 | 79.0 | 77.2 | 79.2 | 83.7 | 85.8 | 83.8 | 91.3 | 82.1 | 82.2 | | | 145.9 | |
| DF/DH 8.00 | | 8000 | 73.8 | 73.5 | 72.1 | 74.3 | 75.1 | 77.6 | 75.6 | 77.9 | 83.6 | 87.8 | 86.1 | 94.1 | 84.3 | 85.1 | | | 149.8 | |
| | | 10000 | 75.3 | 74.1 | 73.2 | 75.4 | 76.7 | 79.0 | 76.8 | 78.8 | 85.2 | 90.2 | 87.5 | 96.3 | 86.5 | 87.2 | | | 154.5 | |
| OVERALL CALCULATED | | | 106.4 | 106.9 | 106.6 | 107.1 | 107.6 | 108.1 | 108.9 | 111.3 | 112.9 | 116.7 | 121.4 | 125.1 | 123.8 | 121.7 | | | 176.6 | |
| PND8 | | | 112.4 | 113.7 | 115.0 | 115.9 | 117.0 | 117.8 | 118.6 | 120.9 | 123.4 | 125.2 | 126.3 | 129.1 | 125.4 | 123.1 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| REV, ALPHA 12/73 | FREQ | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | 0 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | (0) |
| NO EGA | 50 | 86.1 | 66.1 | 68.3 | 70.7 | 72.2 | 73.2 | 74.2 | 77.3 | 78.4 | 82.9 | 83.7 | 88.0 | 88.4 | 82.6 | | | | |
| SIDELINE 2400, FY, | 63 | 86.6 | 72.2 | 72.2 | 71.8 | 72.5 | 74.8 | 76.5 | 78.9 | 79.7 | 82.7 | 86.9 | 92.7 | 92.4 | 85.4 | | | | |
| (731.52 M) | 80 | 71.0 | 73.5 | 74.1 | 73.4 | 74.7 | 74.6 | 77.1 | 78.7 | 80.9 | 83.7 | 89.8 | 93.8 | 92.1 | 87.2 | | | | |
| NFA | 100 | 72.0 | 73.6 | 74.7 | 75.7 | 75.9 | 76.6 | 77.9 | 81.2 | 81.7 | 86.2 | 91.5 | 94.4 | 91.5 | 87.7 | | | | |
| (0, RPM) | 125 | 72.5 | 72.2 | 74.2 | 75.5 | 76.3 | 77.9 | 79.0 | 80.6 | 81.9 | 86.7 | 91.6 | 93.0 | 89.3 | 84.7 | | | | |
| (0, RAD/SEC) | 160 | 71.7 | 73.1 | 74.7 | 75.7 | 76.9 | 78.1 | 79.4 | 81.3 | 82.1 | 87.3 | 93.1 | 95.1 | 89.1 | 82.8 | | | | |
| NFK | 200 | 70.5 | 73.2 | 74.3 | 76.0 | 76.9 | 78.3 | 79.4 | 81.8 | 82.2 | 86.5 | 92.2 | 92.9 | 88.3 | 80.2 | | | | |
| (0, RPM) | 250 | 71.2 | 72.5 | 73.2 | 76.8 | 77.4 | 78.2 | 79.0 | 80.7 | 82.9 | 86.3 | 90.8 | 92.4 | 87.0 | 79.3 | | | | |
| (0, RAD/SEC) | 315 | 70.5 | 72.9 | 73.9 | 74.4 | 75.3 | 76.6 | 78.3 | 80.6 | 82.2 | 85.7 | 88.4 | 91.3 | 83.6 | 75.1 | | | | |
| NFD | 400 | 68.7 | 71.9 | 73.4 | 75.1 | 75.5 | 76.3 | 76.9 | 79.8 | 80.8 | 85.0 | 87.5 | 88.6 | 81.2 | 72.0 | | | | |
| (0, RAD/SEC) | 500 | 66.0 | 70.4 | 71.4 | 73.6 | 74.8 | 76.0 | 76.4 | 79.1 | 80.7 | 83.7 | 85.8 | 85.0 | 76.1 | 67.4 | | | | |
| AIRFLOW RATIO | 630 | 64.4 | 69.9 | 71.5 | 72.7 | 73.8 | 75.6 | 76.7 | 78.5 | 80.3 | 82.8 | 83.9 | 83.0 | 72.2 | 63.4 | | | | |
| WF/WN 8.00 | 800 | 83.1 | 69.6 | 71.8 | 73.9 | 74.8 | 75.7 | 75.8 | 77.6 | 79.3 | 80.7 | 80.6 | 79.5 | 68.7 | 58.3 | | | | |
| VEHICLE JENOTS | 1000 | 81.4 | 69.2 | 71.3 | 73.7 | 75.7 | 76.3 | 75.9 | 78.2 | 79.9 | 79.3 | 78.5 | 75.9 | 65.0 | 55.5 | | | | |
| CONFIG JE-052 | 1250 | 59.2 | 67.3 | 70.7 | 73.7 | 76.3 | 76.3 | 77.1 | 79.0 | 79.7 | 80.4 | 75.4 | 72.3 | 62.1 | 52.6 | | | | |
| LDC EVENDALE | 1600 | 55.0 | 63.8 | 67.3 | 70.7 | 73.8 | 75.0 | 76.5 | 78.7 | 78.4 | 79.5 | 72.8 | 68.3 | 59.0 | 48.0 | | | | |
| DATE 04-29-75 | 2000 | 49.0 | 58.4 | 62.8 | 65.7 | 69.0 | 71.1 | 72.2 | 74.7 | 74.9 | 74.5 | 70.2 | 63.7 | 53.5 | 40.8 | | | | |
| RUN DBTF-MODEL 6 | 2500 | 40.7 | 51.4 | 56.5 | 60.6 | 63.4 | 65.0 | 66.4 | 68.2 | 69.7 | 68.6 | 64.0 | 56.6 | 45.0 | 30.7 | | | | |
| TAPE X60600 | 3150 | 30.0 | 42.8 | 49.6 | 53.2 | 56.4 | 58.9 | 60.2 | 61.6 | 62.8 | 62.2 | 54.9 | 50.2 | 35.3 | 18.0 | | | | |
| FAN TIP SPEED | 4000 | 15.2 | 30.2 | 38.1 | 43.2 | 45.9 | 51.0 | 51.7 | 53.3 | 53.8 | 52.9 | 45.2 | 40.9 | 22.5 | | | | | |
| FT/SEC | 5000 | 7.6 | 22.6 | 30.8 | 36.5 | 39.7 | 42.7 | 44.1 | 45.6 | 47.5 | 46.4 | 38.2 | 36.2 | 16.6 | | | | | |
| | 6300 | | 7.4 | 16.9 | 24.2 | 27.9 | 34.1 | 32.9 | 34.3 | 36.9 | 35.5 | 27.8 | 26.0 | 0.9 | | | | | |
| | 8000 | | | | 9.6 | 15.2 | 20.3 | 19.1 | 20.6 | 23.7 | 23.1 | 13.5 | 8.7 | | | | | | |
| | 10000 | | | | | | 4.3 | 3.2 | 4.1 | 6.9 | 5.3 | | | | | | | | |
| OVERALL CALCULATED | | 81.0 | 83.5 | 84.8 | 86.4 | 87.5 | 88.6 | 89.6 | 91.8 | 93.0 | 96.5 | 100.7 | 102.9 | 99.4 | 93.7 | | | | |
| PNDR | | 83.0 | 87.1 | 89.2 | 91.7 | 93.8 | 95.1 | 96.3 | 98.4 | 99.1 | 101.1 | 103.3 | 104.0 | 98.3 | 92.0 | | | | |

MODEL 7

| REV. ALPHA 12/73 | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | PHL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-----|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | |
| RDG NO EGA | 50 | 78.2 | 76.5 | 78.3 | 77.2 | 81.2 | 81.2 | 82.6 | 84.1 | 85.1 | 87.3 | 88.8 | 93.0 | 95.5 | 96.6 | | | | 146 |
| | 63 | 78.8 | 79.6 | 81.3 | 80.0 | 81.5 | 82.4 | 84.2 | 85.2 | 86.4 | 87.4 | 88.7 | 95.4 | 95.6 | 97.3 | | | | 148 |
| RADIAL 320 FT | 80 | 79.6 | 81.2 | 82.7 | 81.3 | 82.7 | 82.5 | 85.1 | 86.1 | 87.2 | 87.5 | 89.0 | 94.1 | 95.4 | 100.1 | | | | 148 |
| (98 M) | 100 | 80.5 | 81.9 | 83.1 | 82.5 | 83.0 | 83.3 | 84.4 | 87.6 | 87.8 | 90.3 | 91.7 | 93.8 | 94.0 | 98.2 | | | | 148 |
| VEHICLE JENOTS | 125 | 82.3 | 81.6 | 83.3 | 82.7 | 83.8 | 84.2 | 85.9 | 87.8 | 88.1 | 90.1 | 91.2 | 92.9 | 93.1 | 94.7 | | | | 147 |
| CONFIG JEP054 | 160 | 81.0 | 81.4 | 83.1 | 82.6 | 82.7 | 84.4 | 85.9 | 86.9 | 87.7 | 89.6 | 91.6 | 93.2 | 92.7 | 91.2 | | | | 147 |
| LOC EVENDALE | 200 | 81.1 | 82.3 | 82.4 | 82.5 | 83.6 | 84.8 | 86.3 | 87.5 | 87.1 | 89.0 | 90.9 | 91.7 | 90.7 | 89.0 | | | | 146 |
| DATE 04-15-75 | 250 | 81.7 | 81.4 | 81.3 | 83.0 | 84.0 | 84.9 | 85.1 | 87.1 | 86.5 | 87.9 | 90.0 | 91.8 | 90.2 | 87.6 | | | | 146 |
| RUN DBTF-MODEL 7 | 315 | 82.2 | 81.9 | 82.1 | 81.6 | 82.0 | 84.0 | 84.8 | 86.3 | 87.6 | 88.2 | 89.6 | 90.8 | 88.0 | 85.8 | | | | 145 |
| TAPE X70010 | 400 | 79.0 | 80.8 | 81.2 | 81.9 | 82.3 | 83.3 | 83.9 | 85.6 | 85.7 | 88.0 | 89.1 | 89.8 | 87.7 | 85.6 | | | | 144 |
| BAR 29.9 HG | 500 | 77.7 | 79.7 | 79.7 | 80.3 | 81.2 | 82.8 | 83.6 | 85.5 | 85.3 | 87.2 | 88.1 | 88.6 | 86.6 | 84.8 | | | | 144 |
| (01039 N/M2) | 630 | 76.9 | 78.3 | 79.7 | 79.4 | 79.6 | 81.1 | 81.8 | 84.3 | 85.4 | 86.5 | 86.8 | 87.9 | 85.1 | 83.4 | | | | 143 |
| TAMB 59 DEG F | 800 | 75.5 | 78.3 | 79.0 | 79.6 | 80.4 | 80.9 | 81.1 | 82.9 | 83.5 | 85.2 | 85.8 | 85.9 | 83.6 | 81.8 | | | | 142 |
| (288 DEG K) | 1000 | 75.7 | 77.8 | 78.3 | 78.2 | 79.5 | 80.8 | 81.0 | 82.2 | 82.7 | 84.1 | 84.4 | 84.5 | 81.9 | 81.4 | | | | 141 |
| THET 53 DEG F | 1250 | 74.6 | 76.8 | 77.5 | 78.3 | 79.5 | 79.9 | 79.8 | 81.9 | 82.5 | 83.7 | 83.7 | 82.6 | 81.0 | 80.6 | | | | 140 |
| (285 DEG K) | 1600 | 73.3 | 76.1 | 76.7 | 77.0 | 78.6 | 79.3 | 79.9 | 81.0 | 80.9 | 82.8 | 82.7 | 82.1 | 80.1 | 79.2 | | | | 139 |
| HACT 8.91 GH/M3 | 2000 | 72.4 | 75.0 | 76.0 | 76.6 | 78.0 | 78.7 | 78.9 | 80.4 | 80.9 | 82.0 | 81.4 | 80.7 | 78.7 | 77.6 | | | | 139 |
| (00891 KG/M3) | 2500 | 71.9 | 74.7 | 74.9 | 75.7 | 76.4 | 77.4 | 78.3 | 79.3 | 80.2 | 80.7 | 80.1 | 78.8 | 77.4 | 76.4 | | | | 138 |
| FREQ SHIFT | 3150 | 80.9 | 83.8 | 81.6 | 80.2 | 80.7 | 81.2 | 82.3 | 85.3 | 84.3 | 85.4 | 81.6 | 79.0 | 78.6 | 78.1 | | | | 143 |
| JET 9 | 4000 | 75.7 | 79.3 | 76.8 | 75.8 | 74.3 | 75.4 | 75.7 | 77.4 | 77.8 | 79.5 | 78.2 | 76.0 | 75.8 | 74.5 | | | | 138 |
| DIAMETER RATIO | 5000 | 71.4 | 75.4 | 75.1 | 73.7 | 72.2 | 72.0 | 71.2 | 72.9 | 73.0 | 73.1 | 73.3 | 71.7 | 71.4 | 72.6 | | | | 134 |
| DF/DM 8.00 | 6300 | 65.4 | 69.6 | 70.3 | 69.9 | 68.8 | 69.8 | 69.1 | 70.3 | 69.8 | 71.2 | 70.4 | 68.7 | 68.3 | 72.6 | | | | 133 |
| OVERALL CALCULATED | 8000 | 61.8 | 64.0 | 64.7 | 64.9 | 64.4 | 66.4 | 65.7 | 68.2 | 66.7 | 69.3 | 68.2 | 66.9 | 66.1 | 74.1 | | | | 132 |
| | 10000 | 61.4 | 59.2 | 59.8 | 60.0 | 60.0 | 65.6 | 65.5 | 68.9 | 65.1 | 70.8 | 67.4 | 67.6 | 66.1 | 76.6 | | | | 135 |
| PNOB | | 103.1 | 105.5 | 104.7 | 104.4 | 104.6 | 105.5 | 106.3 | 109.5 | 108.3 | 109.6 | 108.5 | 108.3 | 107.3 | 108.1 | | | | 159 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES, (AND RADIANS)

| REV, ALPHA 12/73 | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0,0) | (0,0) | (0,0) |
| NO EGA | 50 | 54,3 | 54,9 | 58,3 | 60,2 | 62,9 | 63,4 | 64,9 | 66,3 | 66,8 | 68,4 | 65,7 | 71,4 | 71,6 | 69,3 | | | |
| SIDELINE 2400, FT | 63 | 54,9 | 57,9 | 61,2 | 61,0 | 63,2 | 64,5 | 66,3 | 67,4 | 68,2 | 68,5 | 68,6 | 73,7 | 71,6 | 69,9 | | | |
| (731,52, M) | 100 | 56,3 | 60,1 | 62,9 | 63,4 | 64,6 | 65,3 | 66,6 | 69,7 | 69,4 | 71,1 | 71,5 | 71,9 | 69,8 | 70,4 | | | |
| NFA | 125 | 58,0 | 59,7 | 62,9 | 63,5 | 65,3 | 66,2 | 68,0 | 69,8 | 69,7 | 70,9 | 70,9 | 71,0 | 68,8 | 66,7 | | | |
| (0, RAD/SEC) | 160 | 56,4 | 59,3 | 62,7 | 63,2 | 64,2 | 66,3 | 67,9 | 68,8 | 69,1 | 70,3 | 71,1 | 71,1 | 68,1 | 62,8 | | | |
| NFK | 200 | 56,3 | 59,9 | 61,8 | 63,1 | 64,9 | 66,3 | 68,2 | 69,3 | 68,4 | 69,6 | 70,2 | 69,4 | 65,8 | 60,3 | | | |
| (0, RAD/SEC) | 250 | 56,5 | 58,8 | 60,5 | 63,3 | 65,2 | 66,2 | 66,8 | 68,8 | 67,7 | 68,3 | 69,2 | 69,2 | 65,0 | 58,4 | | | |
| NFD | 315 | 56,6 | 59,0 | 61,0 | 61,7 | 62,9 | 63,4 | 66,4 | 67,7 | 68,6 | 69,3 | 68,5 | 67,9 | 62,5 | 56,0 | | | |
| (0, RAD/SEC) | 400 | 52,9 | 57,5 | 59,8 | 61,7 | 62,9 | 64,4 | 65,2 | 66,7 | 66,4 | 67,9 | 67,7 | 66,5 | 61,6 | 54,9 | | | |
| AIRFLOW RATIO | 500 | 50,9 | 55,9 | 57,9 | 59,8 | 61,5 | 63,7 | 64,6 | 66,3 | 65,7 | 66,7 | 66,2 | 64,8 | 59,8 | 53,1 | | | |
| WF/NM 8.00 | 630 | 48,9 | 53,9 | 57,3 | 58,4 | 59,5 | 61,6 | 62,4 | 64,8 | 65,3 | 65,6 | 64,4 | 63,5 | 57,4 | 50,4 | | | |
| | 800 | 46,7 | 53,0 | 55,9 | 58,0 | 59,7 | 60,8 | 61,2 | 62,7 | 62,9 | 63,5 | 62,7 | 60,6 | 54,8 | 47,2 | | | |
| VEHICLE JENOTS | 1000 | 45,6 | 51,4 | 54,3 | 55,9 | 58,2 | 60,1 | 60,4 | 61,4 | 61,4 | 61,8 | 60,5 | 58,1 | 51,8 | 44,7 | | | |
| CONFIG JE-054 | 1250 | 42,8 | 49,1 | 52,5 | 55,1 | 57,4 | 58,4 | 58,5 | 60,3 | 60,3 | 60,5 | 58,7 | 54,9 | 49,2 | 41,4 | | | |
| LOC EVENDALE | 1600 | 39,1 | 46,7 | 50,2 | 52,4 | 55,2 | 56,7 | 57,4 | 58,3 | 57,6 | 58,2 | 56,2 | 52,6 | 45,9 | 36,4 | | | |
| DATE 04-15-75 | 2000 | 35,3 | 43,3 | 47,6 | 50,4 | 53,2 | 54,7 | 55,0 | 56,3 | 56,1 | 55,8 | 53,1 | 49,0 | 41,6 | 30,4 | | | |
| RUN DBTF-MODEL 7 | 2500 | 30,6 | 39,8 | 43,9 | 47,2 | 49,5 | 51,4 | 52,5 | 53,3 | 53,2 | 52,2 | 49,1 | 43,9 | 36,1 | 23,0 | | | |
| TAPE X70010 | 3150 | 32,8 | 43,8 | 46,3 | 48,7 | 50,4 | 51,9 | 53,4 | 56,1 | 54,1 | 53,2 | 46,4 | 39,0 | 30,3 | 14,6 | | | |
| FAN TIP SPEED | 4000 | 17,6 | 31,6 | 35,3 | 38,1 | 39,0 | 41,4 | 42,1 | 43,4 | 42,3 | 41,8 | 36,6 | 28,3 | 17,7 | | | | |
| FT/SEC | 5000 | 7,4 | 23,2 | 29,9 | 32,8 | 34,0 | 35,3 | 34,9 | 36,1 | 34,8 | 32,2 | 28,0 | 19,5 | 7,4 | | | | |
| | 6300 | | 4,3 | 14,3 | 19,6 | 22,0 | 24,9 | 24,8 | 25,4 | 23,0 | 20,9 | 14,4 | 3,4 | | | | | |
| | 8000 | | | | 0,1 | 4,5 | 9,1 | 9,1 | 10,9 | 6,7 | 4,6 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 66,3 | 69,5 | 72,2 | 73,2 | 75,0 | 76,3 | 77,7 | 79,2 | 79,2 | 80,0 | 80,0 | 81,2 | 79,0 | 77,5 | | | |
| RNDR | | 68,0 | 72,6 | 75,5 | 77,3 | 79,1 | 80,7 | 81,6 | 83,3 | 83,1 | 83,7 | 82,9 | 81,9 | 77,3 | 73,4 | | | |

| REV: ALPHA 12/73 | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | PHL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) |
| RDG NO EGA | 50 | 81.2 | 79.5 | 81.3 | 82.9 | 83.9 | 84.5 | 85.6 | 87.6 | 88.6 | 90.8 | 89.8 | 96.8 | 99.2 | 99.4 | 150.4 |
| RDG NO | 63 | 82.8 | 83.3 | 84.8 | 83.8 | 84.2 | 86.1 | 87.7 | 89.0 | 90.7 | 91.2 | 93.5 | 99.6 | 100.1 | 97.8 | 151.7 |
| RADIAL 320 FT | 80 | 83.6 | 85.7 | 87.0 | 85.0 | 86.2 | 86.5 | 89.6 | 90.4 | 90.7 | 91.2 | 94.7 | 99.1 | 98.9 | 100.1 | 151.9 |
| (98 MJ) | 100 | 84.5 | 85.2 | 86.1 | 86.5 | 87.3 | 87.5 | 89.2 | 91.6 | 92.0 | 94.3 | 96.5 | 98.0 | 98.0 | 99.2 | 152.2 |
| VEHICLE JENOTS | 125 | 86.6 | 85.6 | 88.0 | 86.7 | 87.8 | 88.9 | 90.4 | 91.8 | 92.6 | 95.1 | 96.7 | 98.2 | 97.1 | 95.2 | 152.1 |
| CONFIG JEP054 | 160 | 86.0 | 85.9 | 86.9 | 86.8 | 87.5 | 89.2 | 90.7 | 92.4 | 92.4 | 95.1 | 98.4 | 98.7 | 96.7 | 93.2 | 152.4 |
| LOC EVENDALE | 200 | 85.3 | 87.3 | 86.9 | 87.5 | 88.1 | 89.8 | 91.3 | 92.3 | 92.9 | 95.0 | 97.6 | 97.5 | 95.2 | 92.0 | 152.0 |
| DATE 04-15-72 | 250 | 86.9 | 86.4 | 86.1 | 86.2 | 89.0 | 89.7 | 90.3 | 92.1 | 92.5 | 94.9 | 97.0 | 98.1 | 95.4 | 92.3 | 152.0 |
| RUN DBT-MODEL 7 | 315 | 86.2 | 87.4 | 87.4 | 86.3 | 87.7 | 89.5 | 90.6 | 92.5 | 93.1 | 95.4 | 95.0 | 97.0 | 94.5 | 91.8 | 151.6 |
| TAPE X70030 | 400 | 84.5 | 86.3 | 86.9 | 87.4 | 88.8 | 89.5 | 90.2 | 92.1 | 93.0 | 95.5 | 95.8 | 96.3 | 94.7 | 91.1 | 151.5 |
| BAR 29.9 HG | 500 | 82.9 | 85.0 | 85.6 | 86.3 | 87.4 | 89.6 | 90.1 | 92.2 | 94.1 | 95.4 | 95.8 | 95.3 | 93.1 | 90.3 | 151.3 |
| (01039 N/M2) | 630 | 82.5 | 84.8 | 85.2 | 85.6 | 86.6 | 88.6 | 90.1 | 92.3 | 93.9 | 96.0 | 96.0 | 95.9 | 93.6 | 90.6 | 151.5 |
| TAMB 59 DEG F | 800 | 82.2 | 84.8 | 85.2 | 86.8 | 87.1 | 88.7 | 89.4 | 91.6 | 93.3 | 95.7 | 96.6 | 95.7 | 94.3 | 91.6 | 151.5 |
| (288 DEG K) | 1000 | 81.5 | 84.0 | 85.0 | 85.5 | 86.5 | 88.3 | 89.2 | 91.4 | 93.0 | 94.9 | 95.9 | 95.5 | 94.4 | 92.6 | 151.2 |
| THET 53 DEG F | 1250 | 81.3 | 84.3 | 84.8 | 85.8 | 86.5 | 87.9 | 88.6 | 90.9 | 92.5 | 94.0 | 95.0 | 94.8 | 94.0 | 93.1 | 150.8 |
| (285 DEG K) | 1600 | 80.6 | 83.9 | 84.7 | 85.0 | 86.1 | 86.8 | 88.1 | 90.0 | 91.4 | 93.3 | 94.2 | 94.4 | 93.3 | 93.2 | 150.3 |
| HACT 8.91 GM/M3 | 2000 | 79.7 | 82.5 | 83.8 | 84.1 | 85.2 | 86.5 | 87.3 | 89.4 | 90.9 | 92.8 | 93.4 | 93.2 | 92.0 | 92.6 | 149.7 |
| (00821 KG/M3) | 2500 | 79.1 | 82.7 | 82.9 | 82.9 | 83.7 | 85.4 | 86.3 | 88.0 | 89.9 | 90.7 | 91.6 | 91.3 | 90.4 | 91.2 | 148.9 |
| FREQ SHIFT | 3150 | 80.1 | 82.8 | 86.1 | 85.9 | 87.2 | 87.2 | 90.6 | 91.1 | 91.1 | 89.9 | 89.6 | 89.0 | 89.3 | 90.1 | 149.7 |
| JET 9 | 4000 | 77.2 | 82.0 | 81.6 | 81.8 | 81.8 | 83.6 | 84.7 | 85.9 | 86.5 | 87.3 | 87.4 | 86.5 | 87.1 | 86.5 | 146.6 |
| DIAMETER RATIO | 5000 | 74.9 | 79.1 | 79.6 | 79.2 | 78.7 | 79.3 | 80.5 | 81.2 | 82.8 | 83.3 | 85.0 | 82.4 | 84.6 | 84.6 | 143.7 |
| DE/DH 8.00 | 6300 | 71.4 | 75.6 | 76.6 | 76.9 | 76.0 | 77.1 | 77.4 | 78.8 | 79.3 | 80.2 | 81.7 | 80.2 | 81.8 | 81.1 | 141.9 |
| | 8000 | 67.8 | 72.8 | 73.7 | 74.4 | 72.7 | 73.7 | 74.2 | 75.7 | 76.2 | 77.1 | 78.2 | 77.6 | 79.3 | 78.6 | 140.9 |
| | 10000 | 64.6 | 68.0 | 69.3 | 70.6 | 69.8 | 70.6 | 70.7 | 72.9 | 71.3 | 76.8 | 77.4 | 78.9 | 77.4 | 77.6 | 141.3 |
| OVERALL CALCULATED | | 96.5 | 98.1 | 98.7 | 98.9 | 99.8 | 101.1 | 102.3 | 104.1 | 105.1 | 107.0 | 108.3 | 109.5 | 108.7 | 107.7 | 164.3 |
| PNOB | | 105.9 | 109.9 | 110.1 | 110.2 | 111.0 | 111.9 | 113.8 | 115.1 | 115.8 | 116.5 | 117.4 | 117.5 | 116.7 | 116.2 | 165.6 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RAD/ANS) | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 |
| REV: ALPHA 12/73 | FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) |
| | 50 | 57.3 | 57.9 | 61.3 | 64.0 | 65.7 | 66.7 | 67.9 | 69.8 | 70.3 | 71.9 | 69.7 | 75.2 | 75.4 | 72.1 | | | |
| NO EGA | 63 | 58.9 | 61.7 | 64.7 | 64.8 | 66.0 | 68.3 | 70.0 | 71.1 | 72.4 | 72.2 | 73.4 | 78.0 | 76.1 | 70.4 | | | |
| SIDELINE 2400 FT | 80 | 59.5 | 64.0 | 66.8 | 65.9 | 67.9 | 68.6 | 70.9 | 72.5 | 72.4 | 72.2 | 74.6 | 77.3 | 74.9 | 72.5 | | | |
| (731.52 M) | 100 | 60.3 | 63.3 | 65.9 | 67.4 | 68.9 | 69.6 | 71.4 | 73.7 | 73.7 | 73.1 | 76.2 | 78.7 | 73.8 | 71.4 | | | |
| NFA 0 RPM | 125 | 62.2 | 63.7 | 67.7 | 67.5 | 69.3 | 70.9 | 72.9 | 73.8 | 74.2 | 75.9 | 76.4 | 76.2 | 72.8 | 67.2 | | | |
| (0 RAD/SEC) | 160 | 61.4 | 63.8 | 66.4 | 67.5 | 68.9 | 71.1 | 72.7 | 74.3 | 73.9 | 75.8 | 77.9 | 76.6 | 72.1 | 64.8 | | | |
| NFK 0 RPM | 200 | 60.5 | 64.9 | 66.3 | 68.1 | 69.4 | 71.5 | 73.2 | 74.0 | 74.2 | 75.6 | 77.0 | 75.2 | 70.8 | 63.3 | | | |
| (0 RAD/SEC) | 250 | 61.8 | 63.8 | 65.3 | 68.6 | 70.2 | 71.3 | 72.1 | 73.8 | 73.7 | 75.3 | 76.2 | 75.5 | 70.3 | 63.1 | | | |
| NFD 0 RPM | 315 | 60.6 | 64.5 | 66.3 | 66.4 | 68.6 | 70.9 | 72.1 | 73.9 | 74.1 | 75.6 | 74.8 | 74.2 | 69.0 | 62.0 | | | |
| (0 RAD/SEC) | 400 | 58.4 | 63.0 | 65.5 | 67.2 | 69.4 | 70.7 | 71.5 | 73.2 | 73.6 | 75.4 | 74.4 | 73.0 | 68.6 | 60.4 | | | |
| AIRFLOW RATIO | 500 | 56.2 | 61.1 | 63.6 | 65.8 | 67.7 | 70.4 | 71.1 | 73.1 | 74.4 | 74.9 | 74.0 | 71.5 | 66.3 | 58.6 | | | |
| WF/WB 8.00 | 630 | 54.7 | 60.4 | 62.8 | 64.7 | 66.5 | 69.1 | 70.7 | 72.8 | 73.8 | 75.1 | 73.6 | 71.5 | 65.9 | 57.7 | | | |
| | 800 | 53.5 | 59.5 | 62.1 | 65.2 | 66.5 | 68.6 | 69.4 | 71.5 | 72.6 | 74.0 | 73.5 | 70.3 | 65.6 | 56.9 | | | |
| VEHICLE JENDTS | 1000 | 51.4 | 57.7 | 61.1 | 63.1 | 65.2 | 67.6 | 68.7 | 70.7 | 71.7 | 72.5 | 72.0 | 69.1 | 64.3 | 56.0 | | | |
| CONFIG JE-054 | 1250 | 49.5 | 56.6 | 59.8 | 62.6 | 64.4 | 66.4 | 67.2 | 69.3 | 70.3 | 70.7 | 70.0 | 67.2 | 62.2 | 53.9 | | | |
| LOC EVENDALE | 1600 | 46.4 | 54.4 | 58.2 | 60.4 | 62.7 | 64.2 | 65.7 | 67.3 | 68.1 | 68.7 | 67.7 | 64.9 | 59.1 | 50.4 | | | |
| DATE 04-15-75 | 2000 | 42.6 | 50.8 | 55.4 | 57.9 | 60.4 | 62.4 | 63.5 | 65.3 | 66.1 | 66.6 | 65.1 | 61.5 | 54.9 | 45.4 | | | |
| RUN DBTP-MODEL 7 | 2500 | 37.8 | 47.8 | 51.9 | 54.4 | 56.8 | 59.4 | 60.5 | 62.0 | 63.0 | 62.2 | 60.6 | 56.4 | 49.1 | 37.7 | | | |
| TAPE X70030 | 3150 | 32.1 | 45.8 | 50.8 | 53.7 | 56.9 | 57.9 | 61.7 | 61.9 | 60.8 | 57.7 | 54.4 | 49.0 | 41.3 | 26.6 | | | |
| FAN TIP SPEED | 4000 | 19.1 | 34.3 | 40.0 | 44.1 | 46.5 | 49.6 | 51.1 | 51.9 | 51.2 | 49.6 | 45.9 | 38.8 | 28.9 | 7.9 | | | |
| FT/SEC | 5000 | 10.9 | 27.0 | 34.4 | 38.3 | 40.5 | 42.5 | 44.2 | 45.1 | 44.5 | 42.4 | 39.8 | 30.2 | 20.6 | | | | |
| | 6300 | | 10.3 | 20.5 | 26.6 | 29.2 | 32.2 | 33.1 | 33.9 | 32.5 | 29.9 | 25.7 | 14.9 | 0.6 | | | | |
| | 8000 | | | 1.1 | 9.6 | 12.7 | 16.3 | 17.6 | 18.4 | 16.2 | 12.4 | 6.6 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 70.8 | 74.3 | 76.8 | 78.2 | 79.9 | 81.7 | 83.0 | 84.7 | 85.1 | 86.3 | 86.6 | 86.6 | 83.4 | 78.8 | | | |
| PNDB | | 73.0 | 78.3 | 81.5 | 83.3 | 85.4 | 87.2 | 88.7 | 90.1 | 90.8 | 91.6 | 90.9 | 89.5 | 84.6 | 77.3 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PHL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) |
| NO EGA | 63 | 94.9 | 83.2 | 84.6 | 85.9 | 87.7 | 87.7 | 89.6 | 90.6 | 92.3 | 93.3 | 95.3 | 102.0 | 104.2 | 93.9 | | | | | | 154.4 |
| RDG. NO. 01 | 80 | 96.8 | 87.3 | 88.3 | 87.0 | 88.5 | 89.4 | 91.2 | 93.2 | 94.4 | 95.9 | 98.5 | 104.9 | 104.8 | 92.3 | | | | | | 156.2 |
| RADIAL 320, FT. | 100 | 97.6 | 89.2 | 90.0 | 88.5 | 90.0 | 89.8 | 92.1 | 94.1 | 95.4 | 97.2 | 100.5 | 104.8 | 105.2 | 94.6 | | | | | | 156.8 |
| (98, M) | 125 | 98.5 | 89.7 | 89.9 | 90.3 | 91.3 | 91.3 | 92.7 | 96.1 | 96.5 | 100.3 | 102.5 | 104.0 | 102.7 | 93.5 | | | | | | 157.1 |
| VEHICLE JENOTS | 160 | 100.8 | 89.9 | 91.8 | 90.2 | 91.5 | 92.9 | 94.4 | 96.6 | 97.4 | 101.3 | 103.7 | 103.9 | 102.1 | 89.9 | | | | | | 157.7 |
| CONFIG JE-054 | 200 | 100.5 | 90.7 | 91.6 | 91.3 | 92.5 | 93.2 | 94.9 | 96.9 | 98.4 | 102.4 | 105.1 | 105.2 | 102.2 | 89.2 | | | | | | 158.7 |
| LOC EVENDALE | 250 | 100.6 | 91.9 | 91.2 | 92.3 | 93.1 | 94.5 | 96.1 | 97.0 | 98.9 | 102.5 | 104.6 | 104.2 | 102.2 | 89.0 | | | | | | 158.5 |
| DATE 04-15-75 | 315 | 101.7 | 91.9 | 90.6 | 93.0 | 93.8 | 94.9 | 95.3 | 97.4 | 99.3 | 102.9 | 104.5 | 106.3 | 102.4 | 90.1 | | | | | | 159.2 |
| RUN DBTF-MODEL 7 | 400 | 100.9 | 92.4 | 91.9 | 92.1 | 93.0 | 94.3 | 96.1 | 98.0 | 100.1 | 103.2 | 104.1 | 105.3 | 102.5 | 20.6 | | | | | | 159.0 |
| TAPE X7003D | 500 | 101.0 | 92.3 | 92.2 | 92.9 | 93.5 | 95.0 | 95.9 | 98.3 | 99.5 | 103.5 | 104.3 | 105.0 | 103.8 | 91.1 | | | | | | 159.2 |
| BAR 29.9 HG | 630 | 99.7 | 91.3 | 91.2 | 91.8 | 92.9 | 94.8 | 96.4 | 98.7 | 100.6 | 103.2 | 103.6 | 104.6 | 102.6 | 91.5 | | | | | | 158.9 |
| (01039, N/42) | 800 | 99.8 | 92.1 | 91.9 | 92.1 | 93.1 | 94.6 | 96.1 | 98.6 | 101.1 | 103.8 | 103.8 | 104.7 | 102.6 | 93.1 | | | | | | 159.2 |
| TAMB 59, DEG F | 1000 | 101.2 | 94.8 | 94.0 | 93.1 | 93.9 | 95.2 | 95.6 | 98.4 | 101.0 | 103.4 | 103.6 | 104.4 | 104.1 | 94.6 | | | | | | 159.5 |
| (288, DEG K) | 1250 | 102.2 | 96.8 | 95.3 | 94.7 | 94.8 | 95.1 | 95.7 | 98.4 | 100.5 | 102.6 | 103.2 | 103.7 | 105.1 | 95.4 | | | | | | 159.5 |
| TWET 53, DEG F | 1600 | 104.6 | 100.0 | 98.5 | 97.6 | 96.8 | 95.9 | 96.3 | 98.6 | 100.2 | 102.5 | 103.0 | 103.3 | 104.8 | 95.1 | | | | | | 160.2 |
| (285, DEG K) | 2000 | 102.3 | 97.6 | 99.2 | 99.5 | 99.1 | 97.6 | 96.9 | 97.7 | 99.4 | 101.8 | 102.4 | 103.6 | 103.8 | 94.0 | | | | | | 160.0 |
| HACT 8.91 GM/M3 | 2500 | 99.7 | 95.0 | 95.7 | 97.6 | 99.5 | 99.5 | 97.9 | 98.4 | 98.9 | 101.0 | 101.4 | 102.2 | 103.0 | 92.1 | | | | | | 159.5 |
| (00891 KG/M3) | 3150 | 97.9 | 93.2 | 94.1 | 94.7 | 95.9 | 97.4 | 97.5 | 97.3 | 98.2 | 99.2 | 100.1 | 100.6 | 101.1 | 90.7 | | | | | | 158.1 |
| FREQ. SHIFT | 4000 | 96.4 | 91.8 | 92.8 | 93.9 | 94.7 | 95.8 | 97.6 | 96.8 | 97.9 | 97.8 | 97.8 | 98.2 | 99.4 | 88.8 | | | | | | 157.0 |
| JET 9 | 5000 | 93.7 | 89.0 | 89.8 | 91.0 | 91.3 | 92.6 | 93.5 | 95.1 | 94.8 | 95.0 | 96.2 | 95.5 | 97.1 | 86.0 | | | | | | 155.3 |
| DIAMETER RATIO | 6800 | 90.9 | 86.4 | 87.9 | 88.9 | 88.7 | 90.0 | 90.0 | 91.7 | 92.0 | 92.3 | 93.8 | 92.9 | 95.1 | 84.4 | | | | | | 153.1 |
| DE/DM 8.00 | 8000 | 87.6 | 83.1 | 84.8 | 85.9 | 85.5 | 86.3 | 87.4 | 88.5 | 89.3 | 89.7 | 90.9 | 90.2 | 93.3 | 81.9 | | | | | | 151.5 |
| | 10000 | 84.1 | 79.5 | 82.4 | 82.9 | 82.2 | 83.4 | 83.9 | 85.7 | 85.9 | 87.1 | 88.9 | 87.4 | 91.6 | 79.9 | | | | | | 150.8 |
| OVERALL CALCULATED | | 79.4 | 74.5 | 78.3 | 79.8 | 78.8 | 80.1 | 81.0 | 82.9 | 82.3 | 85.1 | 86.1 | 85.1 | 90.1 | 78.8 | | | | | | 150.8 |
| PND8 | | 113.3 | 106.6 | 106.6 | 106.9 | 107.5 | 108.0 | 108.6 | 110.4 | 111.8 | 114.6 | 115.7 | 116.9 | 116.2 | 105.5 | | | | | | 171.6 |
| | | 123.2 | 117.4 | 118.3 | 119.7 | 119.7 | 120.2 | 120.6 | 122.1 | 122.7 | 124.5 | 125.4 | 126.1 | 126.9 | 115.6 | | | | | | 172.5 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) |
| REV. ALPHA 12/73 | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | | | |
| NO. ECA | 63 | 71,1 | 61,6 | 64,5 | 67,0 | 69,4 | 69,9 | 71,9 | 72,8 | 74,1 | 76,4 | 75,5 | 80,4 | 80,4 | 66,6 | | | |
| SIDELINE 2400 FT | 80 | 72,9 | 65,7 | 68,2 | 68,0 | 70,2 | 71,5 | 73,5 | 75,4 | 76,2 | 77,0 | 78,4 | 83,2 | 80,9 | 64,9 | | | |
| (73,52 M) | 100 | 74,3 | 67,8 | 69,7 | 71,1 | 72,9 | 73,3 | 74,9 | 76,2 | 78,2 | 81,1 | 82,2 | 82,2 | 78,5 | 65,7 | | | |
| NFA 0, RPM | 125 | 76,5 | 67,9 | 71,4 | 71,0 | 73,1 | 74,9 | 76,5 | 78,6 | 78,9 | 82,2 | 83,4 | 82,0 | 77,8 | 61,9 | | | |
| (0, RAD/SEC) | 160 | 75,9 | 68,6 | 71,2 | 72,0 | 73,9 | 75,1 | 76,9 | 78,8 | 79,9 | 83,1 | 84,6 | 83,1 | 77,6 | 60,8 | | | |
| NFK 0, RPM | 200 | 75,8 | 69,4 | 70,6 | 72,8 | 74,4 | 76,3 | 78,0 | 78,8 | 80,2 | 83,1 | 84,0 | 81,9 | 77,3 | 60,3 | | | |
| (0, RAD/SEC) | 250 | 76,5 | 69,3 | 69,8 | 73,3 | 74,9 | 76,5 | 77,1 | 79,0 | 80,4 | 83,3 | 83,6 | 83,7 | 77,3 | 60,9 | | | |
| NFD 0, RPM | 315 | 75,3 | 69,5 | 70,8 | 72,2 | 73,9 | 75,7 | 77,6 | 79,4 | 81,1 | 83,3 | 83,0 | 82,4 | 77,0 | 60,7 | | | |
| (0, RAD/SEC) | 400 | 74,9 | 69,0 | 70,8 | 72,7 | 74,2 | 76,2 | 77,2 | 79,8 | 80,1 | 83,4 | 82,9 | 81,7 | 77,4 | 60,4 | | | |
| AIRFLOW RATIO | 500 | 72,9 | 67,6 | 69,4 | 71,3 | 73,2 | 75,7 | 77,4 | 79,6 | 80,9 | 82,7 | 81,7 | 80,8 | 75,8 | 59,9 | | | |
| WE/HM 8.00 | 630 | 72,2 | 67,6 | 69,5 | 71,2 | 73,0 | 75,1 | 76,7 | 79,0 | 81,0 | 82,8 | 81,4 | 80,2 | 74,9 | 60,2 | | | |
| | 800 | 72,5 | 69,5 | 70,9 | 71,5 | 73,2 | 75,1 | 75,7 | 78,2 | 80,4 | 81,8 | 80,5 | 79,1 | 75,3 | 59,9 | | | |
| VEHICLE JENOTS | 1000 | 72,1 | 70,4 | 71,3 | 72,4 | 73,4 | 74,3 | 75,2 | 77,7 | 79,2 | 80,3 | 79,2 | 77,4 | 75,0 | 58,7 | | | |
| CONFIG JE-094 | 1250 | 72,8 | 72,4 | 73,5 | 74,3 | 74,6 | 74,4 | 75,0 | 77,1 | 78,0 | 79,2 | 78,0 | 75,7 | 73,0 | 55,9 | | | |
| LOC EVENDALE | 1600 | 68,1 | 68,2 | 72,7 | 74,9 | 75,7 | 74,9 | 74,4 | 75,1 | 76,1 | 77,2 | 75,9 | 74,1 | 69,6 | 51,2 | | | |
| DATE 04-15-75 | 2000 | 62,6 | 63,3 | 67,4 | 71,4 | 74,7 | 75,4 | 74,0 | 74,3 | 74,1 | 74,8 | 73,1 | 70,5 | 65,9 | 44,9 | | | |
| RUN DBTP-MODEL 7 | 2500 | 56,6 | 58,3 | 63,1 | 66,2 | 69,0 | 71,4 | 71,7 | 71,3 | 71,2 | 70,7 | 69,1 | 65,7 | 59,8 | 37,2 | | | |
| TAPE X70050 | 3150 | 48,3 | 51,8 | 57,6 | 61,7 | 63,6 | 65,4 | 66,9 | 68,4 | 66,6 | 65,7 | 62,6 | 58,2 | 51,5 | 25,3 | | | |
| FAN TIP SPEED | 4000 | 35,6 | 41,3 | 48,3 | 53,3 | 56,0 | 58,6 | 59,9 | 61,2 | 59,5 | 57,3 | 54,6 | 47,8 | 38,9 | 7,4 | | | |
| FT/SEC | 5000 | 26,9 | 34,2 | 42,7 | 48,0 | 50,5 | 53,3 | 53,7 | 54,9 | 53,8 | 51,4 | 48,5 | 40,7 | 31,1 | | | | |
| | 6300 | 6,4 | 17,8 | 28,8 | 35,6 | 38,7 | 41,4 | 43,1 | 43,7 | 42,5 | 39,4 | 34,9 | 24,9 | 12,4 | | | | |
| | 8000 | | | 9,8 | 18,1 | 22,2 | 26,1 | 27,4 | 28,4 | 26,0 | 22,4 | 16,3 | 2,0 | | | | | |
| | 10000 | | | | | 0,5 | 5,4 | 7,4 | 8,2 | 4,0 | 0,2 | | | | | | | |
| OVERALL CALCULATED | | 86,1 | 80,9 | 82,9 | 84,4 | 86,0 | 87,2 | 88,4 | 90,3 | 91,5 | 93,7 | 93,8 | 93,4 | 89,7 | 74,5 | | | |
| PNDR | | 90,3 | 87,6 | 90,9 | 93,1 | 95,0 | 96,1 | 96,3 | 97,5 | 97,9 | 99,4 | 98,9 | 97,9 | 93,2 | 75,5 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PWL | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-----|-----|-------|-------|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | | | |
| | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0, | (0, | (0, | | | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 79,4 | 78,2 | 86,8 | 81,1 | 81,9 | 82,2 | 84,3 | 86,3 | 88,8 | 91,3 | 90,5 | 99,0 | 102,2 | 102,3 | | | | 152,9 | | |
| NO EGA. | | 63 | 81,8 | 82,8 | 83,3 | 81,8 | 82,4 | 84,1 | 85,7 | 87,2 | 89,2 | 90,7 | 91,7 | 99,9 | 101,3 | 99,0 | | | | 151,9 | | |
| RDG. NO. | 01 | 80 | 81,1 | 82,9 | 83,2 | 82,2 | 83,7 | 83,2 | 85,8 | 87,4 | 89,2 | 90,7 | 92,9 | 98,8 | 101,1 | 103,5 | | | | 152,2 | | |
| RADIAL 320, FT. | | 100 | 81,2 | 82,9 | 83,9 | 83,2 | 84,7 | 84,7 | 85,9 | 88,9 | 90,8 | 93,2 | 94,4 | 98,0 | 97,7 | 101,7 | | | | 151,7 | | |
| (98, M) | | 125 | 83,0 | 82,9 | 85,7 | 83,9 | 84,2 | 85,7 | 87,1 | 88,8 | 90,6 | 93,3 | 94,4 | 97,4 | 96,8 | 96,9 | | | | 150,6 | | |
| VEHICLE JENOTS | | 160 | 82,0 | 83,4 | 83,9 | 84,0 | 84,5 | 84,9 | 87,4 | 89,7 | 90,4 | 93,4 | 94,6 | 97,2 | 96,2 | 93,2 | | | | 150,3 | | |
| CONFIG JE-054 | | 200 | 81,3 | 84,0 | 83,4 | 84,5 | 85,1 | 86,2 | 87,8 | 88,2 | 90,1 | 92,2 | 93,8 | 96,2 | 93,1 | 90,7 | | | | 149,2 | | |
| LOC EVENDALE | | 250 | 82,1 | 83,3 | 82,3 | 84,9 | 85,7 | 86,6 | 86,5 | 87,8 | 89,7 | 91,6 | 92,9 | 95,0 | 91,3 | 89,5 | | | | 148,3 | | |
| DATE 04-15-75 | | 315 | 81,3 | 83,6 | 83,0 | 82,7 | 84,1 | 84,9 | 86,5 | 87,9 | 90,1 | 91,1 | 91,0 | 93,2 | 90,2 | 87,5 | | | | 147,3 | | |
| RUN DBTF=MODEL 7 | | 400 | 80,3 | 82,7 | 82,6 | 83,8 | 84,4 | 84,9 | 85,6 | 87,2 | 88,6 | 91,2 | 91,2 | 92,4 | 89,6 | 87,7 | | | | 147,1 | | |
| TAPE X70060 | | 500 | 78,8 | 81,3 | 81,6 | 82,4 | 83,5 | 84,4 | 84,7 | 86,0 | 88,4 | 89,5 | 89,2 | 90,6 | 87,4 | 85,8 | | | | 145,9 | | |
| BAR 29,9 HG | | 630 | 78,8 | 80,9 | 80,2 | 81,2 | 81,9 | 83,2 | 84,6 | 86,1 | 88,2 | 89,6 | 88,6 | 89,7 | 86,8 | 85,4 | | | | 145,3 | | |
| (01039, N/M2) | | 800 | 77,4 | 80,5 | 80,2 | 81,3 | 81,8 | 82,9 | 83,1 | 84,6 | 86,5 | 88,4 | 87,6 | 88,2 | 86,3 | 85,0 | | | | 144,4 | | |
| TAMB 59, DEG F | | 1000 | 76,6 | 79,6 | 79,9 | 80,9 | 81,6 | 82,2 | 82,3 | 84,3 | 85,6 | 86,7 | 86,0 | 87,3 | 85,0 | 84,5 | | | | 143,5 | | |
| (288, DEG K) | | 1250 | 76,1 | 79,3 | 79,0 | 80,1 | 81,0 | 81,0 | 81,6 | 83,1 | 84,7 | 85,7 | 85,0 | 85,3 | 83,5 | 82,6 | | | | 142,5 | | |
| THET 53, DEG F | | 1600 | 74,3 | 77,3 | 77,9 | 78,4 | 79,8 | 79,8 | 81,1 | 81,7 | 83,4 | 84,2 | 83,6 | 84,1 | 81,8 | 80,7 | | | | 141,3 | | |
| (285, DEG K) | | 2000 | 72,3 | 75,6 | 76,4 | 77,2 | 78,9 | 78,9 | 79,5 | 80,5 | 82,0 | 82,7 | 81,8 | 82,4 | 80,6 | 79,5 | | | | 140,1 | | |
| HAC 8,91 GH/M3 | | 2500 | 70,7 | 75,0 | 75,0 | 76,0 | 77,3 | 77,0 | 77,8 | 78,9 | 80,0 | 81,0 | 80,4 | 80,1 | 78,7 | 77,5 | | | | 138,7 | | |
| (00891 KG/M3) | | 3150 | 76,1 | 81,3 | 80,6 | 80,7 | 81,0 | 81,7 | 82,1 | 82,6 | 83,9 | 81,9 | 78,1 | 78,3 | 77,4 | 76,3 | | | | 142,0 | | |
| FREQ. SHIFT | | 4000 | 76,9 | 81,0 | 79,8 | 79,5 | 79,0 | 81,8 | 80,1 | 82,8 | 83,0 | 81,2 | 76,8 | 76,2 | 75,7 | 74,1 | | | | 141,9 | | |
| JET 9 | | 5000 | 70,7 | 75,2 | 73,7 | 73,7 | 73,0 | 71,8 | 70,8 | 73,0 | 74,1 | 73,4 | 72,6 | 72,5 | 72,2 | 71,7 | | | | 134,9 | | |
| DIAMETER RATIO | | 6300 | 65,7 | 70,9 | 70,7 | 70,5 | 69,6 | 68,7 | 69,0 | 69,7 | 69,7 | 69,3 | 69,3 | 72,0 | 71,1 | 72,0 | | | | 133,1 | | |
| DE/DM 8,00 | | 8000 | 61,7 | 66,6 | 67,8 | 68,0 | 66,8 | 66,0 | 66,0 | 68,3 | 68,3 | 66,7 | 66,7 | 73,2 | 72,8 | 73,5 | | | | 133,6 | | |
| OVERALL CALCULATED | | 10000 | 56,1 | 60,4 | 64,2 | 65,8 | 65,5 | 65,6 | 65,2 | 67,9 | 65,3 | 65,8 | 66,1 | 75,8 | 74,3 | 75,5 | | | | 136,5 | | |
| | | | 92,7 | 94,6 | 95,4 | 95,1 | 95,9 | 96,7 | 97,8 | 99,4 | 101,2 | 103,0 | 103,7 | 107,6 | 108,2 | 108,7 | | | | 161,3 | | |
| | | | PND81 | 104,8 | 105,3 | 105,2 | 105,4 | 105,8 | 106,5 | 107,1 | 108,3 | 109,7 | 109,8 | 109,2 | 111,4 | 110,1 | 110,3 | | | | 162,6 | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY) | | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES, (AND RADIANS) | | |
|----------------------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|-------|-------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 170, | 180, | 0, | 0, | 0, |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (0.0) | (0.0) | (0.0) |
| REV, ALPHA 12/73 | FREQ. | 50 | 55,5 | 56,6 | 66,8 | 62,2 | 63,7 | 64,4 | 66,6 | 68,5 | 70,6 | 72,4 | 70,5 | 77,4 | 78,3 | 75,0 | | | | |
| NO EGA | 63 | 57,9 | 61,1 | 63,2 | 62,8 | 64,2 | 66,3 | 68,0 | 69,4 | 70,9 | 71,7 | 71,6 | 78,2 | 77,4 | 71,6 | | | | | |
| SIDELINE 2400, FT,
(731.52 M) | 80 | 57,0 | 61,2 | 63,1 | 63,2 | 65,4 | 65,4 | 68,1 | 69,5 | 71,6 | 71,7 | 72,8 | 77,1 | 77,1 | 76,0 | | | | | |
| NFA 0, RPM | 100 | 57,0 | 61,1 | 63,7 | 64,1 | 66,4 | 66,8 | 68,1 | 70,9 | 72,4 | 74,1 | 74,2 | 76,2 | 73,5 | 73,9 | | | | | |
| (0, RAD/SEC) | 125 | 58,7 | 60,9 | 65,4 | 64,7 | 65,8 | 67,6 | 69,3 | 70,8 | 72,2 | 74,1 | 74,1 | 75,4 | 72,5 | 68,9 | | | | | |
| NFK 0, RPM | 160 | 57,4 | 61,3 | 63,4 | 64,7 | 68,9 | 66,8 | 69,4 | 71,6 | 71,9 | 74,1 | 74,1 | 75,1 | 71,6 | 64,8 | | | | | |
| (0, RAD/SEC) | 200 | 56,5 | 61,6 | 62,8 | 65,0 | 66,4 | 68,0 | 69,7 | 70,0 | 71,4 | 72,8 | 73,2 | 73,9 | 68,3 | 62,0 | | | | | |
| NFD 0, RPM | 250 | 57,0 | 60,8 | 61,4 | 65,3 | 66,9 | 68,2 | 68,3 | 69,4 | 70,9 | 72,0 | 72,1 | 72,4 | 66,2 | 60,3 | | | | | |
| (0, RAD/SEC) | 315 | 55,8 | 60,7 | 61,9 | 62,9 | 65,1 | 66,3 | 68,0 | 69,3 | 71,0 | 71,2 | 69,9 | 70,3 | 64,6 | 57,6 | | | | | |
| AIRFLOW RATIO | 400 | 54,2 | 59,4 | 61,1 | 63,6 | 65,1 | 66,0 | 66,9 | 68,3 | 69,3 | 71,0 | 69,8 | 69,1 | 63,5 | 57,0 | | | | | |
| WF/WM 8.00 | 500 | 52,0 | 57,5 | 59,7 | 61,9 | 63,8 | 65,2 | 65,7 | 66,9 | 68,7 | 69,0 | 68,0 | 66,8 | 60,6 | 54,2 | | | | | |
| | 630 | 51,2 | 56,4 | 57,8 | 60,2 | 61,8 | 63,6 | 65,2 | 66,5 | 68,1 | 68,6 | 66,2 | 65,3 | 59,2 | 52,5 | | | | | |
| | 800 | 48,7 | 55,2 | 57,1 | 59,7 | 61,2 | 62,8 | 63,1 | 64,5 | 65,8 | 66,7 | 64,4 | 63,5 | 57,5 | 50,4 | | | | | |
| VEHICLE JENOTS | 1000 | 46,5 | 53,3 | 55,9 | 58,5 | 60,3 | 61,4 | 61,8 | 63,5 | 64,3 | 64,4 | 62,1 | 61,0 | 54,9 | 47,8 | | | | | |
| CONFIG JEP054 | 1250 | 44,3 | 51,6 | 54,0 | 56,8 | 58,9 | 59,4 | 60,2 | 61,6 | 62,5 | 62,5 | 60,0 | 57,7 | 51,7 | 43,4 | | | | | |
| LOC EVENDALE | 1600 | 40,1 | 47,8 | 51,4 | 53,8 | 56,4 | 57,1 | 58,6 | 59,0 | 60,0 | 59,6 | 57,1 | 54,6 | 47,6 | 37,9 | | | | | |
| DATE 04-19-75 | 2000 | 35,2 | 43,9 | 48,0 | 51,0 | 54,0 | 54,8 | 55,7 | 56,4 | 57,2 | 56,5 | 53,5 | 50,7 | 43,5 | 32,3 | | | | | |
| RUN DRYF#MODEL 7 | 2500 | 29,4 | 40,1 | 44,0 | 47,5 | 50,4 | 50,9 | 52,1 | 52,8 | 53,1 | 52,5 | 49,4 | 45,2 | 37,4 | 24,1 | | | | | |
| TAPE X70060 | 3150 | 28,1 | 41,3 | 45,4 | 48,5 | 50,7 | 52,5 | 53,2 | 53,4 | 53,6 | 49,8 | 42,9 | 38,3 | 29,3 | 12,9 | | | | | |
| FAN TIP SPEED | 4000 | 18,8 | 33,2 | 38,2 | 41,8 | 43,7 | 47,8 | 46,6 | 48,8 | 47,7 | 43,5 | 35,3 | 28,5 | 17,6 | | | | | | |
| FT/SEC | 5000 | 6,7 | 23,0 | 28,5 | 32,8 | 34,8 | 35,1 | 34,5 | 36,2 | 35,8 | 32,5 | 27,3 | 20,3 | 8,2 | | | | | | |
| | 6300 | | 5,6 | 14,7 | 20,2 | 22,8 | 23,8 | 24,7 | 24,8 | 22,9 | 19,0 | 13,3 | 6,7 | | | | | | | |
| | 8000 | | | | 3,2 | 6,8 | 8,7 | 9,5 | 11,0 | 8,3 | 1,9 | | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 67,2 | 71,3 | 74,1 | 74,8 | 76,4 | 77,6 | 79,1 | 80,6 | 82,0 | 83,2 | 82,9 | 85,5 | 83,9 | 81,0 | | | | | |
| PND8 | | 68,3 | 74,3 | 76,8 | 79,0 | 80,8 | 82,1 | 83,1 | 84,5 | 85,7 | 86,4 | 85,1 | 85,6 | 80,8 | 76,7 | | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | | | |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | |
| | | 50 | 83.9 | 82.2 | 89.8 | 85.9 | 87.1 | 87.2 | 88.8 | 90.3 | 82.8 | 85.8 | 84.7 | 104.0 | 97.4 | 106.3 | | | | 154.6 |
| | NO EGA | 63 | 85.3 | 86.1 | 87.5 | 87.0 | 88.0 | 88.9 | 90.2 | 91.4 | 84.2 | 85.4 | 86.0 | 104.3 | 95.0 | 103.6 | | | | 153.9 |
| | RDG. NO. | 80 | 85.1 | 87.2 | 87.9 | 87.2 | 88.4 | 88.2 | 90.8 | 92.1 | 84.7 | 85.9 | 88.4 | 104.8 | 94.9 | 104.8 | | | | 154.6 |
| | RADIAL 320, FT. | 100 | 85.4 | 87.9 | 88.4 | 88.7 | 90.0 | 89.5 | 91.4 | 93.9 | 85.5 | 88.5 | 89.4 | 102.5 | 91.7 | 104.9 | | | | 153.8 |
| | (98, M) | 125 | 87.5 | 87.4 | 90.0 | 88.9 | 89.5 | 90.9 | 92.6 | 94.8 | 85.9 | 89.3 | 90.2 | 102.6 | 90.8 | 99.7 | | | | 153.0 |
| | VEHICLE JENOTS | 160 | 87.2 | 87.9 | 89.1 | 89.3 | 90.0 | 91.2 | 93.7 | 95.2 | 85.9 | 89.4 | 91.1 | 102.5 | 89.9 | 97.7 | | | | 152.9 |
| | CONFIG JE-054 | 200 | 86.5 | 89.0 | 88.9 | 90.0 | 91.1 | 91.7 | 93.8 | 94.7 | 86.6 | 88.7 | 90.1 | 102.0 | 88.9 | 96.2 | | | | 152.6 |
| | LOC EVENDALE | 250 | 87.6 | 88.6 | 87.8 | 90.4 | 91.2 | 92.4 | 92.8 | 94.3 | 86.5 | 89.1 | 89.4 | 101.3 | 88.3 | 95.8 | | | | 152.2 |
| | DATE 04-15-75 | 315 | 87.3 | 89.1 | 89.0 | 89.2 | 90.1 | 91.4 | 93.0 | 94.4 | 86.8 | 88.8 | 88.8 | 100.9 | 87.4 | 94.8 | | | | 151.9 |
| | RUN DBTP MODEL 7 | 400 | 87.1 | 89.4 | 88.8 | 89.8 | 90.6 | 91.6 | 92.8 | 94.4 | 86.1 | 88.9 | 88.5 | 100.4 | 87.4 | 94.4 | | | | 151.8 |
| | TAPE X70080 | 500 | 85.3 | 88.5 | 88.6 | 89.1 | 90.2 | 91.7 | 92.7 | 94.3 | 86.6 | 88.5 | 87.4 | 98.9 | 85.9 | 93.8 | | | | 151.1 |
| | BAR 29.9 HG | 630 | 85.3 | 87.9 | 87.7 | 88.7 | 90.1 | 91.4 | 92.9 | 94.1 | 86.9 | 89.1 | 87.8 | 98.7 | 86.5 | 95.2 | | | | 151.1 |
| | (01039, N/42) | 800 | 85.2 | 88.0 | 87.9 | 89.5 | 90.3 | 90.9 | 92.1 | 94.1 | 86.2 | 88.4 | 87.6 | 98.9 | 87.9 | 96.5 | | | | 151.3 |
| | TAMB 59, DEG F | 1000 | 85.6 | 88.6 | 88.6 | 89.4 | 90.6 | 90.9 | 91.6 | 93.3 | 85.6 | 88.2 | 86.8 | 98.3 | 88.0 | 98.2 | | | | 151.3 |
| | (288, DEG K) | 1250 | 86.3 | 89.8 | 89.0 | 90.1 | 90.8 | 90.2 | 90.8 | 92.9 | 85.7 | 87.2 | 86.5 | 97.8 | 87.8 | 99.1 | | | | 150.7 |
| | THET 53, DEG F | 1600 | 86.5 | 89.3 | 88.9 | 89.4 | 90.3 | 89.8 | 90.1 | 91.9 | 83.6 | 85.5 | 85.6 | 96.8 | 87.3 | 98.2 | | | | 149.9 |
| | (285, DEG K) | 2000 | 87.3 | 89.9 | 89.4 | 89.2 | 89.4 | 88.9 | 89.7 | 90.5 | 82.5 | 84.4 | 83.8 | 95.6 | 85.9 | 96.2 | | | | 149.0 |
| | HACT 8.91 GH/M3 | 2500 | 86.0 | 89.8 | 89.7 | 89.5 | 89.0 | 87.7 | 88.1 | 88.9 | 81.5 | 82.5 | 82.1 | 93.6 | 83.7 | 94.0 | | | | 149.0 |
| | (00891 KG/M3) | 3150 | 83.6 | 88.3 | 88.8 | 90.5 | 90.2 | 89.2 | 88.6 | 89.6 | 80.1 | 80.2 | 79.6 | 90.0 | 81.1 | 91.8 | | | | 148.6 |
| | FREQ. SHIFT | 4000 | 80.4 | 85.5 | 85.8 | 87.7 | 88.0 | 89.8 | 89.1 | 90.6 | 79.0 | 78.2 | 76.8 | 87.9 | 78.7 | 88.9 | | | | 143.2 |
| | JET 9 | 5000 | 76.2 | 81.4 | 81.7 | 83.7 | 83.5 | 83.3 | 83.3 | 83.7 | 74.6 | 74.4 | 73.6 | 84.0 | 75.9 | 86.2 | | | | 141.7 |
| | DIAMETER RATIO | 6300 | 72.7 | 77.2 | 78.2 | 80.0 | 79.4 | 79.7 | 79.7 | 81.2 | 70.9 | 71.8 | 71.1 | 81.0 | 73.1 | 83.0 | | | | 140.5 |
| | DF/DH 8.00 | 8000 | 69.2 | 73.6 | 75.0 | 76.0 | 75.5 | 75.5 | 76.0 | 79.3 | 68.3 | 70.2 | 68.5 | 78.2 | 70.4 | 80.2 | | | | 140.4 |
| | | 10000 | 65.6 | 68.9 | 69.7 | 71.0 | 70.8 | 71.4 | 71.2 | 77.9 | 65.3 | 71.3 | 67.1 | 77.1 | 68.1 | 78.0 | | | | 135.2 |
| | OVERALL CALCULATED | | 99.0 | 101.4 | 101.8 | 102.2 | 103.0 | 103.5 | 104.7 | 106.2 | 98.2 | 100.5 | 100.6 | 113.8 | 103.4 | 112.9 | | | | 1.3 |
| | PNDB | | 109.7 | 118.0 | 113.2 | 114.2 | 114.4 | 114.5 | 114.8 | 118.3 | 107.3 | 108.9 | 108.6 | 120.4 | 110.0 | 119.8 | | | | 166.5 |

10 dB low

ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | 0, | 0, |
| REV, ALPHA 12/73 | | FREQ, (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0,0) | (0,0) | (0,0) | (0,0) | (0,0) |
| NO EGA | | 50 | 60,0 | 60,6 | 69,8 | 67,0 | 68,9 | 69,4 | 71,1 | 72,5 | 64,6 | 66,9 | 64,7 | 82,4 | 73,6 | 79,0 | | | | |
| SIDELINE 2400, FT, | | 63 | 61,4 | 64,4 | 67,5 | 68,0 | 69,7 | 71,0 | 72,5 | 73,6 | 65,9 | 66,4 | 65,9 | 82,7 | 71,1 | 76,1 | | | | |
| (731,52 M) | | 80 | 61,0 | 65,5 | 67,8 | 68,2 | 70,1 | 70,4 | 73,1 | 74,2 | 66,4 | 66,9 | 68,3 | 83,1 | 70,9 | 77,2 | | | | |
| NFA 0, RPM | | 100 | 61,3 | 66,1 | 68,2 | 69,6 | 71,6 | 71,6 | 73,6 | 75,9 | 67,2 | 69,4 | 69,2 | 80,7 | 67,5 | 77,2 | | | | |
| (0, RAD/SEC) | | 125 | 63,2 | 65,4 | 69,7 | 69,7 | 71,0 | 72,9 | 74,8 | 76,8 | 67,4 | 70,1 | 69,9 | 80,7 | 66,5 | 71,6 | | | | |
| NFK 0, RPM | | 160 | 62,7 | 65,8 | 68,6 | 70,0 | 71,4 | 73,1 | 75,7 | 77,1 | 67,4 | 70,1 | 70,6 | 80,3 | 65,4 | 69,3 | | | | |
| (0, RAD/SEC) | | 200 | 61,7 | 66,6 | 68,3 | 70,5 | 72,4 | 73,5 | 75,7 | 76,5 | 67,9 | 69,3 | 69,5 | 79,6 | 64,1 | 67,5 | | | | |
| NFD 0, RPM | | 250 | 62,5 | 66,0 | 66,9 | 70,8 | 72,4 | 74,0 | 74,5 | 75,9 | 67,6 | 69,5 | 68,6 | 78,7 | 63,2 | 66,5 | | | | |
| (0, RAD/SEC) | | 315 | 61,8 | 66,2 | 67,9 | 69,4 | 71,1 | 72,8 | 74,5 | 75,8 | 67,7 | 69,0 | 67,7 | 78,1 | 61,9 | 64,9 | | | | |
| AIRFLOW RATIO | | 400 | 61,0 | 66,1 | 67,4 | 69,6 | 71,3 | 72,8 | 74,1 | 75,6 | 66,8 | 68,7 | 67,0 | 77,1 | 61,3 | 63,7 | | | | |
| WFZNM 8,00 | | 500 | 58,5 | 64,7 | 66,7 | 68,6 | 70,6 | 72,5 | 73,7 | 75,1 | 67,0 | 68,0 | 65,5 | 75,1 | 59,1 | 62,2 | | | | |
| | | 630 | 57,7 | 63,4 | 65,3 | 67,7 | 70,0 | 71,9 | 73,5 | 74,5 | 66,8 | 68,1 | 65,4 | 74,3 | 58,1 | 62,2 | | | | |
| | | 800 | 56,4 | 62,7 | 64,8 | 67,9 | 69,7 | 70,8 | 72,1 | 74,0 | 65,6 | 66,7 | 64,4 | 73,5 | 58,3 | 61,9 | | | | |
| VEHICLE JENQIS | | 1000 | 55,5 | 62,3 | 64,7 | 67,0 | 69,3 | 70,2 | 71,0 | 72,5 | 64,3 | 65,9 | 62,8 | 72,0 | 57,9 | 61,6 | | | | |
| CONFIG JEM054 | | 1250 | 54,9 | 62,1 | 64,0 | 66,8 | 68,6 | 68,7 | 69,5 | 71,3 | 63,5 | 64,0 | 61,5 | 70,2 | 56,0 | 59,9 | | | | |
| LOC EVENDALE | | 1600 | 52,3 | 59,8 | 62,4 | 64,8 | 66,9 | 67,1 | 67,6 | 69,2 | 60,2 | 60,9 | 59,1 | 67,3 | 53,1 | 55,4 | | | | |
| DATE 04-15-75 | | 2000 | 50,2 | 58,2 | 61,0 | 63,0 | 64,5 | 64,8 | 65,9 | 66,4 | 57,7 | 58,2 | 55,5 | 63,9 | 48,8 | 49,1 | | | | |
| RUN DBTF-MODEL 7 | | 2500 | 44,6 | 54,9 | 58,7 | 61,0 | 62,1 | 61,7 | 62,3 | 62,8 | 54,6 | 54,0 | 51,2 | 58,7 | 42,4 | 40,6 | | | | |
| TAPE X70080 | | 3150 | 35,6 | 48,3 | 53,6 | 58,3 | 59,9 | 60,0 | 59,7 | 60,4 | 49,8 | 48,0 | 44,4 | 50,0 | 33,1 | 28,4 | | | | |
| FAN TIP SPEED | | 4000 | 22,3 | 37,7 | 44,2 | 50,0 | 52,7 | 55,8 | 55,6 | 56,6 | 43,7 | 40,5 | 35,3 | 40,2 | 20,6 | 10,3 | | | | |
| DI FT/SEC | | 5000 | 12,2 | 29,3 | 36,9 | 42,8 | 45,3 | 46,6 | 47,0 | 46,9 | 36,3 | 33,5 | 28,3 | 31,8 | 11,9 | | | | | |
| | | 6300 | | 11,9 | 22,2 | 29,7 | 32,6 | 34,8 | 35,4 | 36,3 | 24,1 | 21,5 | 15,0 | 15,7 | | | | | | |
| | | 8000 | | | 2,4 | 11,2 | 15,6 | 18,2 | 19,9 | 22,0 | 8,3 | 5,4 | | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 72,5 | 76,8 | 99,5 | 80,9 | 82,7 | 83,9 | 85,5 | 87,0 | 78,5 | 80,1 | 79,3 | 91,1 | 78,6 | 84,3 | | | | |
| PNDB | | | 75,7 | 81,8 | 84,6 | 86,9 | 88,8 | 89,7 | 90,9 | 92,3 | 83,3 | 84,5 | 82,8 | 93,3 | 77,6 | 83,0 | | | | |

956

10 dB low

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|-----|---|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | 0 | 0 |
| NO EGA | 50 | 98,7 | 86,5 | 87,6 | 88,9 | 90,2 | 90,7 | 92,3 | 94,1 | 96,1 | 99,8 | 101,0 | 107,3 | 110,7 | 99,6 | | | | | 159,9 |
| RDG. NO. 01 | 63 | 100,6 | 90,6 | 91,6 | 89,8 | 91,7 | 92,9 | 94,5 | 96,5 | 97,7 | 99,4 | 102,5 | 109,1 | 110,3 | 98,3 | | | | | 160,6 |
| RADIAL 320, FT. | 80 | 100,8 | 91,7 | 92,2 | 91,0 | 92,5 | 93,0 | 95,4 | 96,9 | 98,9 | 101,5 | 105,7 | 109,6 | 110,3 | 101,3 | | | | | 161,5 |
| (.98, M) | 100 | 101,2 | 91,9 | 92,4 | 92,8 | 93,8 | 94,8 | 96,2 | 99,1 | 100,0 | 103,8 | 106,2 | 107,5 | 107,0 | 99,7 | | | | | 160,7 |
| VEHICLE JENOTS | 125 | 103,3 | 91,4 | 94,0 | 92,9 | 93,8 | 95,7 | 97,4 | 99,8 | 101,1 | 105,3 | 107,5 | 108,7 | 106,1 | 95,7 | | | | | 161,6 |
| CONFIG JENOTS | 160 | 103,3 | 92,9 | 93,9 | 93,8 | 94,2 | 96,4 | 98,4 | 100,2 | 101,2 | 105,4 | 108,4 | 108,5 | 105,7 | 94,7 | | | | | 161,8 |
| LOC EVENDALE | 200 | 103,1 | 94,3 | 93,9 | 94,5 | 95,6 | 97,3 | 99,1 | 100,5 | 102,1 | 105,8 | 107,4 | 107,5 | 105,9 | 94,8 | | | | | 161,6 |
| DATE 04-15-75 | 250 | 104,4 | 93,6 | 93,6 | 95,7 | 96,5 | 97,4 | 98,1 | 100,9 | 102,5 | 106,4 | 107,7 | 109,1 | 105,9 | 96,3 | | | | | 162,4 |
| RUN DBTF MODEL 7 | 315 | 104,7 | 94,9 | 95,1 | 94,6 | 95,2 | 97,0 | 98,6 | 100,8 | 102,9 | 106,4 | 106,9 | 108,3 | 107,3 | 96,8 | | | | | 162,2 |
| TAPE X70100 | 400 | 104,7 | 95,3 | 95,2 | 95,1 | 96,0 | 97,5 | 98,9 | 101,3 | 103,0 | 106,8 | 107,3 | 108,5 | 109,0 | 98,6 | | | | | 162,8 |
| BAR 29,9 HG | 500 | 104,7 | 95,7 | 95,3 | 95,3 | 96,2 | 97,3 | 98,9 | 101,5 | 103,6 | 105,7 | 107,1 | 108,1 | 108,6 | 98,3 | | | | | 162,5 |
| (01039, N/4R) | 630 | 106,5 | 98,1 | 96,4 | 95,6 | 96,1 | 97,6 | 98,6 | 101,8 | 103,9 | 105,8 | 106,8 | 108,7 | 109,8 | 98,4 | | | | | 163,1 |
| TAMB 59, DEG F | 800 | 109,0 | 101,5 | 98,7 | 97,8 | 97,4 | 97,7 | 98,9 | 101,6 | 103,8 | 105,4 | 106,3 | 108,2 | 109,6 | 97,3 | | | | | 163,4 |
| (288, DEGLK) | 1000 | 110,0 | 103,8 | 103,8 | 102,0 | 100,3 | 98,8 | 98,7 | 101,4 | 103,2 | 104,9 | 106,4 | 107,7 | 108,9 | 97,1 | | | | | 164,0 |
| TWET 53, DEG F | 1250 | 107,3 | 101,8 | 103,0 | 101,6 | 104,5 | 101,0 | 99,8 | 101,4 | 103,2 | 104,5 | 105,2 | 107,1 | 107,5 | 95,9 | | | | | 163,7 |
| (285, DEGLK) | 1600 | 105,1 | 98,9 | 99,2 | 101,5 | 103,6 | 103,1 | 100,9 | 101,0 | 101,9 | 104,0 | 104,9 | 106,1 | 106,6 | 94,0 | | | | | 162,9 |
| HACT 8,91 GM/M3 | 2000 | 104,2 | 98,5 | 98,0 | 98,8 | 100,2 | 101,2 | 101,6 | 101,4 | 101,6 | 102,5 | 103,9 | 105,0 | 105,0 | 93,1 | | | | | 161,9 |
| (.00891 KG/M3) | 2500 | 101,4 | 95,4 | 96,6 | 97,9 | 98,4 | 98,4 | 99,8 | 100,3 | 100,7 | 101,2 | 102,1 | 102,8 | 103,1 | 90,7 | | | | | 160,4 |
| FREQ. SHIFT | 3150 | 99,6 | 94,1 | 95,1 | 96,2 | 96,9 | 97,4 | 97,3 | 98,8 | 98,3 | 99,9 | 100,1 | 100,2 | 101,6 | 88,6 | | | | | 159,1 |
| JET 9 | 4000 | 96,7 | 91,5 | 92,3 | 93,3 | 93,6 | 95,4 | 95,7 | 96,6 | 96,3 | 97,3 | 98,2 | 98,8 | 99,3 | 85,7 | | | | | 157,5 |
| DIAMETER RATIO | 5000 | 94,7 | 90,1 | 90,6 | 91,9 | 91,7 | 92,0 | 92,0 | 93,2 | 93,8 | 94,6 | 95,2 | 94,9 | 97,4 | 84,4 | | | | | 155,3 |
| DF/DN 8,00 | 6300 | 91,1 | 86,3 | 87,8 | 88,9 | 88,3 | 89,3 | 89,6 | 90,5 | 90,6 | 91,9 | 93,2 | 93,2 | 95,3 | 82,1 | | | | | 153,9 |
| OVERALL CALCULATED | 8000 | 87,8 | 83,3 | 84,7 | 86,1 | 84,9 | 85,7 | 85,9 | 88,0 | 87,7 | 90,6 | 91,9 | 90,6 | 92,6 | 80,6 | | | | | 153,4 |
| PND8 | 10000 | 84,6 | 79,7 | 81,3 | 82,3 | 81,8 | 82,9 | 82,7 | 84,7 | 83,6 | 91,8 | 90,6 | 89,9 | 92,6 | 79,1 | | | | | 175,1 |
| | | 117,7 | 110,6 | 110,3 | 110,7 | 111,1 | 111,1 | 111,5 | 113,3 | 114,7 | 117,4 | 118,8 | 128,5 | 120,8 | 110,0 | | | | | 1,3 |
| | | 127,2 | 120,6 | 120,8 | 121,6 | 122,5 | 122,7 | 123,2 | 124,4 | 125,2 | 126,9 | 128,0 | 129,1 | 129,5 | 117,8 | | | | | 176,4 |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY) | | | | | | | | | | | | | | | | | | |
|---|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| REV. | ALPHA 12/73 FREQ. | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (2,15) | (2,32) | (2,50) | (2,67) | (2,84) | (2,92) | (2,79) | (0,0) | (0,0) | (0,0) |
| | NO EGA | 50 | 74,8 | 64,9 | 67,5 | 70,0 | 71,9 | 72,9 | 74,7 | 76,3 | 77,8 | 80,9 | 81,0 | 85,7 | 86,9 | 72,3 | | |
| | SIDELINE 2400, FT | 63 | 76,6 | 68,9 | 71,5 | 70,8 | 73,5 | 75,0 | 76,8 | 78,6 | 79,4 | 80,9 | 82,4 | 87,5 | 86,4 | 70,9 | | |
| | (734,52 M) | 80 | 76,8 | 70,0 | 72,1 | 71,9 | 74,2 | 75,1 | 77,6 | 79,0 | 80,6 | 82,4 | 85,6 | 87,8 | 86,4 | 73,7 | | |
| | NFA | 100 | 77,0 | 70,1 | 72,2 | 73,6 | 75,4 | 76,8 | 78,4 | 81,2 | 81,7 | 84,6 | 86,0 | 85,7 | 82,8 | 71,9 | | |
| | (0, RPM) | 125 | 79,0 | 69,4 | 73,7 | 73,7 | 75,3 | 77,7 | 79,5 | 81,8 | 82,7 | 86,2 | 87,1 | 86,7 | 81,8 | 67,7 | | |
| | (0, RAD/SEC) | 160 | 78,7 | 70,8 | 73,4 | 74,3 | 75,7 | 78,3 | 80,4 | 82,1 | 82,6 | 86,1 | 87,9 | 86,4 | 81,1 | 66,3 | | |
| | NFK | 200 | 78,3 | 71,9 | 73,3 | 75,1 | 76,9 | 79,0 | 81,0 | 82,3 | 83,4 | 86,3 | 86,7 | 85,2 | 81,1 | 66,0 | | |
| | (0, RPM) | 250 | 79,3 | 71,1 | 72,8 | 76,1 | 77,7 | 79,0 | 79,8 | 82,5 | 83,7 | 86,8 | 86,9 | 86,5 | 81,8 | 67,1 | | |
| | (0, RAD/SEC) | 315 | 79,1 | 72,0 | 74,0 | 74,7 | 76,1 | 78,4 | 80,1 | 82,2 | 83,8 | 86,6 | 85,8 | 85,4 | 81,7 | 67,0 | | |
| | (0, RPM) | 400 | 78,6 | 72,0 | 73,8 | 75,0 | 76,7 | 78,7 | 80,2 | 82,4 | 83,6 | 86,6 | 85,9 | 85,2 | 82,9 | 67,9 | | |
| | AIRFLOW RATIO | 500 | 77,9 | 71,9 | 73,4 | 74,8 | 76,5 | 78,2 | 79,9 | 82,3 | 83,9 | 85,2 | 85,2 | 84,3 | 81,9 | 66,6 | | |
| | WF/WM 8.00 | 630 | 78,9 | 73,6 | 74,0 | 74,7 | 76,0 | 78,1 | 79,2 | 82,3 | 83,8 | 84,8 | 84,4 | 84,2 | 82,2 | 65,4 | | |
| | | 800 | 80,2 | 76,2 | 75,6 | 76,2 | 76,7 | 77,6 | 78,9 | 81,5 | 83,1 | 83,8 | 83,2 | 82,8 | 80,8 | 62,7 | | |
| | VEHICLE JENOTS | 1000 | 79,2 | 78,7 | 79,8 | 79,6 | 78,9 | 78,1 | 78,2 | 80,7 | 81,9 | 82,5 | 82,5 | 81,4 | 78,8 | 60,5 | | |
| | CONFIG JE-054 | 1250 | 75,5 | 74,1 | 78,1 | 81,3 | 82,4 | 79,4 | 78,5 | 79,8 | 81,0 | 81,2 | 80,2 | 79,4 | 75,7 | 56,7 | | |
| | LOC EVENDALE | 1600 | 70,2 | 69,4 | 72,7 | 73,2 | 80,2 | 80,4 | 78,4 | 78,3 | 78,6 | 79,4 | 78,4 | 76,6 | 72,4 | 51,2 | | |
| | DATE 04-15-75 | 2000 | 67,1 | 66,8 | 69,6 | 72,6 | 75,4 | 77,2 | 77,8 | 77,3 | 76,8 | 76,3 | 75,6 | 73,3 | 67,9 | 45,9 | | |
| | RUN DBTF-MODEL 7 | 2500 | 60,1 | 60,5 | 65,6 | 69,4 | 71,5 | 72,4 | 74,0 | 74,3 | 73,7 | 72,7 | 71,1 | 67,9 | 61,8 | 37,2 | | |
| | TAPE X70100 | 3150 | 51,6 | 54,0 | 59,8 | 64,0 | 66,6 | 68,2 | 68,4 | 69,6 | 68,1 | 67,7 | 64,9 | 60,2 | 53,5 | 25,1 | | |
| | FAN TIP SPEED | 4000 | 38,6 | 43,8 | 50,8 | 55,6 | 58,3 | 61,4 | 62,1 | 62,7 | 61,0 | 59,6 | 56,6 | 50,8 | 41,2 | 7,1 | | |
| | FT/SEC | 5000 | 30,7 | 38,0 | 45,4 | 51,0 | 53,5 | 55,3 | 55,7 | 56,4 | 55,5 | 53,7 | 50,3 | 42,7 | 33,1 | | | |
| | | 6300 | 9,9 | 21,0 | 31,8 | 38,6 | 41,8 | 44,4 | 45,3 | 45,7 | 43,8 | 41,6 | 37,2 | 27,9 | 14,1 | | | |
| | | 8000 | | | 12,1 | 21,4 | 25,0 | 28,3 | 29,4 | 30,6 | 27,7 | 25,9 | 19,3 | 5,2 | | | | |
| | | 10000 | | | | 3,5 | 8,2 | 12,1 | 12,1 | 9,9 | 5,3 | 7,0 | | | | | | |
| | OVERALL CALCULATED | | 90,1 | 84,9 | 86,7 | 88,2 | 89,6 | 90,4 | 91,4 | 93,4 | 94,5 | 96,7 | 97,1 | 97,2 | 94,8 | 80,4 | | |
| | PNDB | | 94,9 | 91,4 | 93,6 | 96,2 | 98,4 | 99,1 | 99,5 | 100,4 | 100,8 | 102,3 | 102,0 | 101,2 | 98,1 | 81,4 | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0 | | | PWL |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|---------|-----|-------|-----|
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | | |
| | | 30 | 83.6 | 82.2 | 86.8 | 83.9 | 84.4 | 84.9 | 87.0 | 88.3 | 92.0 | 94.6 | 95.2 | 102.3 | 105.7 | 113.8 | | | | 159.6 | |
| | NO EGA | 63 | 86.1 | 85.8 | 86.1 | 84.5 | 85.5 | 86.1 | 88.5 | 89.7 | 92.4 | 94.2 | 96.5 | 104.9 | 107.1 | 112.3 | | | | 159.3 | |
| | RDG. NO. J. | 80 | 86.3 | 85.7 | 86.7 | 84.7 | 86.2 | 85.7 | 88.6 | 90.1 | 92.9 | 93.9 | 97.9 | 103.6 | 105.9 | 113.9 | | | | 159.9 | |
| | RADIAL 320, FT. | 100 | 85.7 | 85.7 | 87.1 | 86.3 | 87.5 | 87.1 | 89.0 | 90.6 | 93.9 | 96.3 | 99.0 | 102.3 | 103.3 | 114.5 | | | | 160.0 | |
| | (98, M) | 125 | 86.3 | 85.1 | 87.3 | 86.1 | 87.0 | 88.2 | 89.9 | 91.1 | 94.1 | 96.6 | 98.7 | 99.4 | 98.8 | 107.7 | | | | 155.4 | |
| | VEHICLE JENOTS | 160 | 84.7 | 85.9 | 86.4 | 86.3 | 86.7 | 87.9 | 90.2 | 90.9 | 93.7 | 96.1 | 99.6 | 101.0 | 97.4 | 104.9 | | | | 154.7 | |
| | CCNFIG JEW55 | 200 | 84.0 | 85.7 | 85.9 | 86.7 | 87.3 | 88.2 | 89.8 | 91.0 | 93.6 | 95.3 | 98.1 | 98.0 | 96.1 | 102.5 | | | | 153.1 | |
| | LOC EVENDALE | 250 | 85.3 | 85.1 | 84.8 | 87.2 | 87.7 | 88.6 | 89.0 | 90.3 | 92.7 | 94.9 | 97.4 | 97.0 | 94.6 | 101.0 | | | | 152.8 | |
| | DATE 04-16-75 | 315 | 84.1 | 85.1 | 85.8 | 84.7 | 86.1 | 87.0 | 88.5 | 90.2 | 92.6 | 93.9 | 95.8 | 96.2 | 92.9 | 98.8 | | | | 151.0 | |
| | RUN DBTF-MODEL 7 | 400 | 82.9 | 85.0 | 84.8 | 85.3 | 86.4 | 87.4 | 88.1 | 89.2 | 91.9 | 93.9 | 94.7 | 94.7 | 93.1 | 98.7 | | | | 150.5 | |
| | TAPE X70110 | 500 | 81.8 | 83.6 | 83.8 | 84.7 | 85.5 | 86.7 | 87.7 | 88.6 | 91.2 | 93.0 | 93.7 | 93.4 | 90.4 | 96.9 | | | | 149.4 | |
| | BAR 29.9 HG | 650 | 81.1 | 82.4 | 83.0 | 83.5 | 84.7 | 85.7 | 86.9 | 88.4 | 91.2 | 92.4 | 93.3 | 93.1 | 89.9 | 97.2 | | | | 149.2 | |
| | (01039, N/12) | 800 | 80.0 | 82.1 | 82.5 | 83.3 | 84.4 | 84.9 | 86.1 | 87.1 | 90.0 | 91.4 | 91.9 | 91.4 | 89.3 | 96.3 | | | | 148.2 | |
| | TAMB 59, DEG F | 1000 | 79.1 | 81.2 | 82.0 | 82.9 | 83.9 | 84.8 | 84.9 | 86.4 | 88.9 | 90.3 | 90.3 | 90.1 | 87.8 | 95.8 | | | | 147.3 | |
| | (288, DEG K) | 1250 | 77.9 | 80.6 | 80.9 | 81.9 | 83.4 | 83.3 | 84.2 | 85.7 | 88.1 | 88.8 | 89.3 | 88.4 | 87.1 | 95.2 | | | | 146.4 | |
| | THET 53, DEG F | 1600 | 75.9 | 79.0 | 80.1 | 80.5 | 81.7 | 81.9 | 83.2 | 84.3 | 86.7 | 87.1 | 88.0 | 87.2 | 85.4 | 93.5 | | | | 145.2 | |
| | (285, DEG K) | 2000 | 73.5 | 76.8 | 77.8 | 78.3 | 80.5 | 80.0 | 81.9 | 82.6 | 84.9 | 85.6 | 86.0 | 85.3 | 84.0 | 91.1 | | | | 143.5 | |
| | HACT 8.91 GM/M3 | 2500 | 71.9 | 74.9 | 75.1 | 75.9 | 77.7 | 77.2 | 79.2 | 80.3 | 82.9 | 83.6 | 84.3 | 83.3 | 81.6 | 89.1 | | | | 141.7 | |
| | (00891 KG/M3) | 3150 | 68.0 | 73.0 | 73.2 | 73.9 | 74.9 | 75.4 | 76.5 | 78.0 | 80.3 | 81.3 | 81.8 | 80.4 | 79.5 | 87.7 | | | | 139.9 | |
| | FREQ. SHIFT | 4000 | 64.3 | 69.6 | 70.1 | 70.8 | 71.6 | 72.7 | 74.2 | 75.4 | 76.6 | 78.3 | 78.9 | 78.1 | 77.1 | 85.0 | | | | 137.8 | |
| | JET 9 | 5000 | 62.1 | 68.0 | 68.5 | 69.1 | 69.4 | 69.4 | 70.4 | 72.1 | 74.2 | 76.0 | 76.4 | 75.3 | 74.0 | 85.0 | | | | 136.4 | |
| | DIAMETER RATIO | 6300 | 57.6 | 67.3 | 67.0 | 67.6 | 67.5 | 67.3 | 68.0 | 69.7 | 70.7 | 75.6 | 75.1 | 74.8 | 72.2 | 85.8 | | | | 137.1 | |
| | DF/DM 8.00 | 8000 | 56.2 | 64.9 | 64.8 | 66.3 | 66.1 | 65.3 | 65.8 | 68.6 | 68.3 | 77.5 | 75.6 | 75.5 | 73.0 | 88.3 | | | | 140.4 | |
| | | 10000 | 54.9 | 65.0 | 63.8 | 66.3 | 66.8 | 65.9 | 65.7 | 69.2 | 66.8 | 80.3 | 76.9 | 77.9 | 74.9 | 90.8 | | | | 145.1 | |
| | OVERALL CALCULATED | | 95.8 | 96.4 | 97.3 | 97.0 | 98.0 | 98.7 | 100.2 | 101.4 | 104.2 | 106.1 | 108.3 | 111.3 | 112.5 | 120.4 | | | | 167.4 | |
| | PNRB | | 100.9 | 103.0 | 103.7 | 104.1 | 105.3 | 105.6 | 107.0 | 108.2 | 110.6 | 112.4 | 113.6 | 114.3 | 113.6 | 122.5 | | | | 168.7 | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39' DEG. F, 70 PERCENT REL. HUM, DAY) | | | | | | | | | | | | | | | | |
|--------------------|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) |
| REV. ALPHA 12/73 | FREQ. | 50 | 59.8 | 60.6 | 66.8 | 65.0 | 66.2 | 67.2 | 69.4 | 70.5 | 73.8 | 75.6 | 75.2 | 80.7 | 81.8 | 86.5 | | |
| | NO EGA | 63 | 62.1 | 64.2 | 66.0 | 65.5 | 67.2 | 68.3 | 70.8 | 71.9 | 74.2 | 75.2 | 76.4 | 83.2 | 83.1 | 84.9 | | |
| | SIDELINE 2400. FT. | 80 | 62.3 | 64.0 | 66.6 | 65.7 | 67.9 | 67.9 | 70.9 | 72.2 | 74.6 | 74.9 | 77.8 | 81.8 | 81.9 | 86.2 | | |
| | (731.52 M) | 100 | 61.5 | 63.9 | 66.9 | 67.1 | 69.1 | 69.1 | 71.2 | 72.7 | 75.5 | 77.1 | 78.8 | 80.4 | 79.1 | 86.7 | | |
| | NFA 0. RPH | 125 | 62.0 | 63.2 | 66.9 | 67.0 | 68.6 | 70.2 | 72.0 | 73.1 | 75.7 | 77.4 | 78.4 | 77.4 | 74.5 | 79.6 | | |
| | (0. RAD/SEC) | 160 | 60.2 | 63.8 | 65.9 | 67.0 | 68.2 | 69.8 | 72.2 | 72.8 | 75.1 | 76.8 | 79.1 | 78.8 | 72.9 | 76.8 | | |
| | NFK 0. RPH | 200 | 59.2 | 63.4 | 65.3 | 67.3 | 68.6 | 70.0 | 71.7 | 72.8 | 74.9 | 75.8 | 77.5 | 75.6 | 71.3 | 73.7 | | |
| | (0. RAD/SEC) | 250 | 60.2 | 62.5 | 64.0 | 67.5 | 68.9 | 70.2 | 70.0 | 71.9 | 73.9 | 75.3 | 76.6 | 74.4 | 69.5 | 71.8 | | |
| | NFD 0. RPH | 315 | 58.5 | 62.2 | 64.7 | 64.9 | 67.1 | 68.4 | 70.0 | 71.6 | 73.5 | 74.0 | 74.7 | 73.3 | 67.4 | 68.9 | | |
| | (0. RAD/SEC) | 400 | 56.8 | 61.7 | 63.4 | 65.1 | 67.1 | 68.5 | 69.4 | 70.3 | 72.5 | 73.8 | 73.3 | 71.4 | 66.0 | 68.0 | | |
| | AIRFLOW RATIO | 500 | 55.0 | 59.7 | 62.0 | 64.2 | 65.8 | 67.3 | 68.7 | 69.4 | 71.5 | 72.5 | 73.8 | 71.8 | 63.6 | 65.2 | | |
| | WF/MM 8.00 | 630 | 53.5 | 57.9 | 60.6 | 62.5 | 64.6 | 66.1 | 67.5 | 68.8 | 71.1 | 71.4 | 71.0 | 68.6 | 62.3 | 64.3 | | |
| | | 800 | 51.2 | 56.7 | 59.4 | 61.7 | 63.7 | 64.8 | 66.2 | 67.0 | 69.4 | 69.8 | 68.7 | 66.1 | 60.6 | 61.7 | | |
| | VEHICLE JENOTS | 1000 | 49.0 | 54.8 | 58.0 | 60.6 | 62.6 | 64.0 | 64.3 | 65.6 | 67.6 | 68.0 | 66.4 | 63.8 | 57.7 | 59.1 | | |
| | CONFIG JE-055 | 1250 | 46.1 | 53.0 | 55.9 | 58.7 | 61.2 | 61.8 | 62.8 | 64.2 | 65.9 | 65.6 | 64.3 | 60.8 | 55.3 | 56.0 | | |
| | LOC EVENDALE | 1600 | 41.7 | 49.5 | 53.5 | 55.9 | 58.3 | 59.2 | 60.7 | 61.6 | 63.4 | 62.5 | 61.5 | 57.7 | 51.2 | 50.7 | | |
| | DATE 04-16-75 | 2000 | 36.4 | 45.1 | 49.4 | 52.1 | 53.7 | 56.0 | 58.1 | 58.6 | 60.1 | 59.4 | 57.6 | 53.6 | 46.9 | 44.0 | | |
| | RUN DBTF-MODEL 7 | 2500 | 29.5 | 40.0 | 44.1 | 47.4 | 50.8 | 51.8 | 53.5 | 54.2 | 56.0 | 55.1 | 53.3 | 48.4 | 40.3 | 35.7 | | |
| | TARE X70110 | 3150 | 20.0 | 33.0 | 38.0 | 41.7 | 44.6 | 46.1 | 47.6 | 48.8 | 50.0 | 49.2 | 46.6 | 40.4 | 31.5 | 24.3 | | |
| | FAN TIP SPEED | 4000 | 6.1 | 21.8 | 28.6 | 33.1 | 36.3 | 38.7 | 40.7 | 41.4 | 41.3 | 40.6 | 37.4 | 30.3 | 19.0 | 6.4 | | |
| | FT/SEC | 5000 | | 15.9 | 23.3 | 28.2 | 31.2 | 32.7 | 34.1 | 35.3 | 35.9 | 35.1 | 31.2 | 23.1 | 10.0 | | | |
| | | 6300 | | 2.0 | 11.0 | 17.2 | 20.7 | 22.4 | 23.8 | 24.8 | 23.9 | 25.3 | 19.1 | 9.6 | | | | |
| | | 8000 | | | 1.5 | 6.1 | 8.0 | 9.3 | 11.3 | 8.4 | 12.8 | 3.0 | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 70.9 | 73.6 | 76.3 | 77.1 | 78.8 | 80.5 | 81.7 | 82.8 | 85.2 | 86.3 | 87.5 | 89.3 | 88.3 | 92.6 | | |
| PNDB | | | 71.1 | 75.9 | 78.6 | 80.4 | 82.6 | 83.9 | 85.3 | 86.3 | 88.5 | 89.3 | 89.7 | 88.8 | 85.3 | 90.8 | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHI | | |
|--------------------|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 0° | 0° | 0° |
| REV. | ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (0) | (0) | (0) |
| NO EGA | | 50 | 87.4 | 85.2 | 90.1 | 87.4 | 88.9 | 89.2 | 90.8 | 92.1 | 94.8 | 98.3 | 99.0 | 106.0 | 108.5 | 106.9 | | | | |
| RDG. NO. 0. | | 60 | 90.3 | 90.7 | 90.7 | 89.0 | 91.0 | 90.3 | 93.1 | 94.1 | 97.2 | 99.2 | 103.5 | 108.1 | 109.4 | 107.1 | | | | |
| RADIAL 320. FY. | | 100 | 89.7 | 90.4 | 91.1 | 90.8 | 92.0 | 91.8 | 93.7 | 96.1 | 98.3 | 102.0 | 104.2 | 106.5 | 106.7 | 107.7 | | | | |
| (98.4) | | 125 | 91.1 | 90.1 | 92.0 | 90.9 | 92.0 | 93.2 | 94.7 | 96.1 | 98.4 | 102.3 | 104.2 | 104.4 | 103.6 | 102.9 | | | | |
| VEHICLE JENOTS | | 160 | 89.5 | 90.9 | 91.6 | 91.6 | 92.7 | 93.4 | 95.7 | 96.2 | 98.7 | 102.4 | 104.9 | 106.0 | 102.4 | 100.5 | | | | |
| CCNFIG JENOTS | | 200 | 89.3 | 91.5 | 91.2 | 91.5 | 92.6 | 94.3 | 95.3 | 96.3 | 98.4 | 102.0 | 104.6 | 104.0 | 101.6 | 99.0 | | | | |
| LCC EVENDALE | | 250 | 90.9 | 91.4 | 90.6 | 92.9 | 94.0 | 94.4 | 95.6 | 96.1 | 99.3 | 102.4 | 103.7 | 104.1 | 101.9 | 98.8 | | | | |
| DATE 04-18-75 | | 315 | 90.1 | 91.4 | 91.8 | 91.0 | 92.4 | 93.3 | 94.8 | 96.2 | 99.1 | 102.2 | 102.1 | 103.3 | 100.0 | 98.1 | | | | |
| RLN CBTF-MODEL 7 | | 400 | 89.4 | 91.5 | 91.6 | 91.8 | 93.2 | 93.5 | 94.1 | 96.3 | 98.7 | 102.0 | 102.3 | 102.6 | 99.9 | 98.3 | | | | |
| TAPE X76130 | | 500 | 88.9 | 90.1 | 90.7 | 91.0 | 92.3 | 92.8 | 94.3 | 95.7 | 98.8 | 101.4 | 101.5 | 101.5 | 99.5 | 99.0 | | | | |
| BAR 29.9 HG | | 630 | 88.2 | 90.0 | 90.4 | 90.6 | 92.0 | 92.6 | 95.0 | 96.0 | 99.6 | 101.2 | 101.7 | 101.9 | 100.5 | 100.3 | | | | |
| (0139, N/M2) | | 800 | 88.4 | 91.2 | 90.9 | 91.5 | 93.0 | 93.1 | 94.3 | 95.8 | 98.7 | 100.8 | 100.8 | 101.3 | 102.2 | 102.0 | | | | |
| TAMB 59. DEG F | | 1000 | 89.1 | 93.2 | 92.7 | 91.9 | 93.2 | 93.0 | 93.6 | 95.3 | 98.4 | 100.8 | 100.8 | 101.1 | 102.5 | 102.5 | | | | |
| (288, DEG K) | | 1250 | 90.2 | 94.2 | 93.7 | 93.0 | 93.7 | 92.8 | 93.2 | 94.5 | 97.9 | 99.9 | 100.1 | 100.2 | 102.4 | 102.3 | | | | |
| THET 53, DEG F | | 1600 | 90.5 | 95.6 | 95.6 | 94.1 | 94.5 | 92.3 | 92.8 | 93.6 | 96.3 | 98.9 | 99.3 | 99.8 | 101.0 | 100.4 | | | | |
| (205, DEG K) | | 2000 | 89.4 | 94.2 | 95.7 | 95.0 | 95.4 | 92.7 | 92.8 | 92.5 | 95.6 | 98.0 | 98.1 | 98.2 | 99.4 | 98.5 | | | | |
| HACT 8.91 GN/M3 | | 2500 | 85.3 | 90.8 | 93.3 | 94.3 | 95.1 | 93.1 | 92.2 | 91.7 | 94.3 | 96.1 | 96.2 | 96.0 | 97.3 | 96.8 | | | | |
| (00891 KG/H3) | | 3150 | 82.6 | 88.3 | 89.6 | 90.9 | 92.2 | 92.2 | 91.3 | 90.9 | 92.4 | 93.9 | 93.6 | 94.0 | 95.4 | 94.3 | | | | |
| FREQ. SHIFT | | 4000 | 79.8 | 85.1 | 87.7 | 88.1 | 88.4 | 89.5 | 89.5 | 90.2 | 89.6 | 91.3 | 91.7 | 91.1 | 93.4 | 92.3 | | | | |
| JET 9 | | 5000 | 76.8 | 82.7 | 85.4 | 85.7 | 85.9 | 86.4 | 87.3 | 88.1 | 88.4 | 88.6 | 88.3 | 88.1 | 90.7 | 90.2 | | | | |
| DIAMETER RATIO | | 6300 | 73.0 | 78.7 | 81.2 | 81.6 | 81.9 | 82.9 | 83.6 | 84.9 | 85.8 | 86.8 | 86.7 | 86.3 | 87.7 | | | | | |
| BF/DH 8.00 | | 8000 | 70.3 | 75.3 | 77.7 | 78.1 | 78.2 | 79.9 | 81.3 | 81.5 | 83.9 | 83.7 | 85.9 | 86.8 | 86.9 | | | | | |
| | | 10000 | 68.0 | 70.6 | 72.9 | 73.5 | 73.7 | 73.8 | 78.1 | 79.8 | 78.7 | 84.8 | 81.3 | 87.0 | 87.3 | 86.7 | | | | |
| OVERALL CALCULATED | | | 102.2 | 104.5 | 105.1 | 104.8 | 105.9 | 105.7 | 106.8 | 107.9 | 110.6 | 113.2 | 114.8 | 116.9 | 117.2 | 115.6 | | | | |
| PND8 | | | 111.7 | 115.4 | 116.6 | 116.8 | 117.7 | 116.9 | 117.2 | 117.6 | 120.0 | 122.2 | 122.7 | 125.4 | 123.9 | 123.0 | | | | |

172.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/78 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) |
| NO EGA | 50 | 63.6 | 63.6 | 70.0 | 68.5 | 70.7 | 71.4 | 73.2 | 74.3 | 76.6 | 79.4 | 79.0 | 84.4 | 84.6 | 79.6 | | | | |
| SIDELINE 2400 FT. | 60 | 66.6 | 67.7 | 70.0 | 69.5 | 71.5 | 72.8 | 74.5 | 75.4 | 78.2 | 80.0 | 81.6 | 86.0 | 86.9 | 79.6 | | | | |
| (731.52 M) | 80 | 66.3 | 69.0 | 70.6 | 69.9 | 72.7 | 72.4 | 75.4 | 76.2 | 78.9 | 80.2 | 83.3 | 86.3 | 85.4 | 79.5 | | | | |
| NFA 0. RPM | 100 | 65.5 | 68.6 | 70.9 | 71.8 | 73.6 | 73.8 | 75.9 | 78.2 | 79.9 | 82.9 | 84.0 | 84.7 | 82.5 | 79.9 | | | | |
| (0. RAD/SEC) | 125 | 66.7 | 68.2 | 71.7 | 71.7 | 73.6 | 75.2 | 76.8 | 78.1 | 79.9 | 83.2 | 83.9 | 82.5 | 79.3 | 74.9 | | | | |
| NFK 0. RPM | 160 | 64.9 | 68.8 | 71.2 | 72.2 | 74.2 | 75.3 | 77.7 | 78.1 | 80.1 | 83.1 | 84.4 | 83.9 | 77.9 | 72.1 | | | | |
| (0. RAD/SEC) | 200 | 64.5 | 69.2 | 70.5 | 72.0 | 74.2 | 76.0 | 77.2 | 78.0 | 79.7 | 82.6 | 84.0 | 81.7 | 76.8 | 70.2 | | | | |
| NFD 0. RPM | 250 | 65.7 | 68.8 | 69.7 | 73.3 | 75.2 | 76.0 | 77.3 | 77.7 | 80.4 | 82.8 | 82.9 | 81.5 | 76.8 | 69.6 | | | | |
| (0. RAD/SEC) | 315 | 64.6 | 68.5 | 70.7 | 71.2 | 73.4 | 74.7 | 76.3 | 77.6 | 80.1 | 82.3 | 81.0 | 80.4 | 74.4 | 68.2 | | | | |
| AIRFLOW RATIO | 400 | 63.3 | 68.2 | 70.2 | 71.7 | 73.9 | 74.6 | 75.4 | 77.4 | 79.3 | 81.8 | 80.9 | 79.4 | 73.8 | 67.6 | | | | |
| WF/W 8.00 | 500 | 62.1 | 66.3 | 68.8 | 70.5 | 72.7 | 73.6 | 75.3 | 76.5 | 79.1 | 80.8 | 79.7 | 77.7 | 72.7 | 67.3 | | | | |
| | 600 | 60.6 | 65.5 | 68.0 | 69.6 | 71.9 | 73.0 | 75.6 | 76.4 | 79.5 | 80.2 | 79.3 | 77.4 | 72.9 | 67.4 | | | | |
| VEHICLE JENOTS | 800 | 59.6 | 65.9 | 67.8 | 69.9 | 72.4 | 73.0 | 74.4 | 75.7 | 78.0 | 79.0 | 77.7 | 76.0 | 73.5 | 67.3 | | | | |
| CCNFIG JE*055 | 1000 | 59.0 | 66.8 | 68.7 | 69.5 | 71.8 | 72.2 | 73.1 | 74.6 | 77.1 | 78.4 | 76.9 | 74.8 | 72.4 | 65.9 | | | | |
| LCC EVENDALE | 1250 | 58.4 | 66.5 | 68.7 | 69.7 | 71.5 | 71.3 | 71.9 | 73.0 | 75.7 | 76.6 | 75.1 | 72.6 | 70.6 | 63.1 | | | | |
| DATE 04-16-75 | 1600 | 56.3 | 66.1 | 69.1 | 69.5 | 71.1 | 69.6 | 70.3 | 71.0 | 73.0 | 74.3 | 72.8 | 70.3 | 66.8 | 57.6 | | | | |
| RUN DBTF-MODEL 7 | 2000 | 52.2 | 62.5 | 67.3 | 68.8 | 71.6 | 68.6 | 69.0 | 68.5 | 71.0 | 71.8 | 69.8 | 66.5 | 62.3 | 51.4 | | | | |
| TARE X70130 | 2500 | 44.0 | 55.9 | 62.3 | 65.9 | 68.2 | 67.0 | 66.4 | 65.7 | 67.4 | 67.6 | 65.2 | 61.1 | 58.0 | 43.4 | | | | |
| FAN TIP SPEED | 3150 | 34.6 | 48.3 | 54.4 | 58.8 | 61.9 | 63.0 | 62.4 | 61.6 | 62.1 | 61.7 | 58.4 | 54.0 | 47.3 | 30.8 | | | | |
| FT/SEC | 4000 | 21.6 | 37.4 | 46.1 | 50.4 | 53.1 | 55.5 | 56.0 | 56.2 | 54.3 | 53.6 | 50.2 | 43.4 | 35.2 | 13.7 | | | | |
| | 5000 | 12.8 | 30.6 | 40.2 | 44.4 | 47.6 | 49.1 | 50.1 | 50.5 | 49.9 | 47.5 | 43.4 | 36.1 | 26.7 | 2.9 | | | | |
| | 6000 | | 13.4 | 25.1 | 31.4 | 34.8 | 37.0 | 38.7 | 38.7 | 38.1 | 35.5 | 30.8 | 21.5 | 8.1 | | | | | |
| | 8000 | | | 5.1 | 13.4 | 18.2 | 20.8 | 23.4 | 23.9 | 21.5 | 19.1 | 11.1 | 0.5 | | | | | | |
| OVERALL CALCULATED | 10000 | | | | | | | 4.5 | 5.1 | 0.4 | | | | | | | | | |
| PNOB | | 76.0 | 79.7 | 82.2 | 83.2 | 85.2 | 86.0 | 87.6 | 88.6 | 90.9 | 93.1 | 93.8 | 94.4 | 92.3 | 86.7 | | | | |
| | | 78.6 | 85.7 | 88.9 | 90.5 | 92.6 | 92.5 | 93.3 | 94.1 | 96.2 | 98.0 | 97.3 | 96.1 | 92.4 | 86.5 | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | | |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | PWL |
| | | 50 | 91.2 | 89.0 | 95.6 | 90.9 | 92.7 | 92.5 | 94.6 | 95.3 | 98.6 | 102.6 | 103.8 | 110.5 | 113.5 | 110.9 | | | | 163.2 |
| | NO EGA | 63 | 95.1 | 93.8 | 94.3 | 92.0 | 93.7 | 94.4 | 96.7 | 97.7 | 100.2 | 103.4 | 106.2 | 113.4 | 114.8 | 111.3 | | | | 165.0 |
| | ROG. NO. 0 | 80 | 95.1 | 94.5 | 95.0 | 93.3 | 95.0 | 94.8 | 97.4 | 98.4 | 101.7 | 104.5 | 109.0 | 113.3 | 115.7 | 113.4 | | | | 165.9 |
| | RADIAL 320 FT. | 160 | 94.2 | 95.2 | 95.4 | 95.3 | 96.0 | 96.0 | 97.7 | 99.6 | 102.8 | 107.0 | 109.5 | 112.0 | 112.5 | 113.7 | | | | 165.1 |
| | (98.4) | 125 | 96.1 | 94.4 | 95.8 | 95.4 | 96.0 | 96.9 | 99.4 | 100.3 | 103.6 | 108.1 | 110.0 | 110.2 | 110.9 | 110.9 | | | | 164.4 |
| | VEHICLE JENOTS | 160 | 95.3 | 95.9 | 96.4 | 96.1 | 97.0 | 97.7 | 100.4 | 100.7 | 103.4 | 108.9 | 110.9 | 111.2 | 109.9 | 109.3 | | | | 164.7 |
| | CONFIG JENOTS | 200 | 96.1 | 96.5 | 96.4 | 96.8 | 97.8 | 98.8 | 100.3 | 101.5 | 104.9 | 108.8 | 110.1 | 110.5 | 109.9 | 109.2 | | | | 164.5 |
| | LCC EVENDALE | 250 | 98.1 | 96.4 | 96.3 | 98.4 | 99.0 | 99.4 | 100.6 | 102.1 | 105.0 | 109.2 | 110.2 | 111.3 | 111.9 | 110.6 | | | | 165.3 |
| | DATE 04-16-75 | 315 | 97.9 | 97.6 | 98.1 | 97.0 | 97.9 | 98.0 | 101.0 | 102.0 | 106.1 | 108.9 | 109.8 | 111.8 | 112.7 | 110.3 | | | | 163.6 |
| | RLN DBTF-MODEL 7 | 400 | 97.9 | 98.0 | 97.9 | 97.6 | 99.0 | 99.0 | 100.6 | 102.0 | 105.7 | 109.5 | 110.5 | 113.3 | 113.5 | 110.8 | | | | 166.3 |
| | TARE X70150 | 500 | 97.9 | 98.6 | 97.9 | 97.5 | 98.8 | 99.0 | 100.8 | 102.2 | 106.3 | 108.9 | 110.3 | 112.8 | 112.3 | 109.2 | | | | 165.8 |
| | BAR 29.9 HG | 630 | 100.7 | 102.0 | 100.9 | 98.3 | 99.3 | 100.1 | 101.3 | 103.0 | 106.8 | 109.2 | 111.2 | 113.9 | 111.5 | 107.8 | | | | 166.4 |
| | {01039, N/M2} | 800 | 101.3 | 106.0 | 105.9 | 103.0 | 101.5 | 99.9 | 101.0 | 102.5 | 106.2 | 108.1 | 110.5 | 112.8 | 110.7 | 106.5 | | | | 166.2 |
| | TAHB 59, DEG F | 1000 | 98.4 | 102.7 | 105.2 | 107.1 | 106.4 | 102.2 | 100.9 | 102.1 | 105.4 | 107.8 | 109.8 | 110.9 | 109.5 | 105.8 | | | | 165.9 |
| | (288, DEG K) | 1250 | 96.7 | 96.7 | 101.2 | 104.2 | 106.7 | 105.8 | 102.0 | 102.3 | 105.6 | 106.6 | 108.6 | 110.0 | 108.7 | 105.0 | | | | 165.3 |
| | THEY 53, DEG F | 1600 | 95.8 | 99.8 | 100.4 | 100.4 | 103.3 | 104.3 | 103.8 | 102.6 | 104.1 | 105.7 | 107.8 | 109.0 | 107.2 | 103.6 | | | | 164.3 |
| | (255, DEG K) | 2000 | 92.6 | 97.7 | 99.4 | 100.0 | 101.4 | 100.9 | 102.5 | 101.8 | 103.3 | 104.7 | 106.4 | 107.4 | 105.2 | 101.8 | | | | 163.8 |
| | HACT 8.91 OH/M3 | 2500 | 91.0 | 95.6 | 96.8 | 98.3 | 99.6 | 99.3 | 100.2 | 99.7 | 102.3 | 102.8 | 104.7 | 105.5 | 103.8 | 99.6 | | | | 161.5 |
| | {00891 KG/M3} | 3150 | 88.9 | 93.6 | 95.1 | 96.7 | 96.9 | 97.4 | 98.6 | 98.4 | 100.4 | 101.4 | 102.4 | 102.8 | 101.6 | 97.3 | | | | 160.0 |
| | FREQ. SHIFT | 4000 | 85.3 | 90.3 | 91.9 | 93.1 | 94.7 | 95.5 | 95.5 | 94.0 | 96.9 | 98.3 | 100.2 | 100.6 | 99.6 | 94.0 | | | | 155.9 |
| | JET 9 | 5000 | 83.0 | 87.7 | 90.0 | 91.3 | 91.6 | 91.9 | 92.1 | 92.3 | 95.1 | 95.7 | 98.1 | 97.0 | 97.5 | 92.7 | | | | 154.7 |
| | DIAMETER RATIO | 6300 | 80.5 | 84.7 | 87.2 | 88.2 | 88.4 | 88.9 | 89.2 | 89.6 | 91.9 | 93.5 | 96.5 | 95.0 | 93.3 | 90.7 | | | | 154.5 |
| | BF/CM 8.00 | 8000 | 77.8 | 81.5 | 83.9 | 85.2 | 85.2 | 85.5 | 86.2 | 87.0 | 90.0 | 92.6 | 94.4 | 93.1 | 93.3 | 89.6 | | | | 153.9 |
| | | 10000 | 76.8 | 78.6 | 80.7 | 82.0 | 82.2 | 83.1 | 82.9 | 84.8 | 87.7 | 93.2 | 93.0 | 92.0 | 92.0 | 88.7 | | | | 153.9 |
| | OVERALL CALCULATED | | 109.7 | 111.8 | 112.5 | 112.7 | 113.5 | 112.9 | 113.5 | 114.1 | 117.2 | 120.1 | 121.9 | 124.2 | 124.3 | 122.2 | | | | 177.9 |
| | PNDP | | 118.0 | 121.0 | 122.1 | 122.7 | 123.7 | 123.9 | 124.4 | 124.5 | 127.2 | 129.1 | 130.9 | 132.1 | 131.2 | 128.8 | | | | 179.2 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| REV. ALPHA 12/73 FREQ. | | (0.52) | (0.73) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) |
| NO EJA | | 53 | 67.3 | 67.4 | 75.5 | 72.0 | 74.4 | 74.7 | 76.9 | 77.5 | 80.3 | 83.6 | 83.7 | 88.9 | 89.6 | 83.6 | |
| SIDELINE 2403. FT. | | 63 | 71.1 | 72.2 | 74.2 | 73.0 | 75.5 | 76.5 | 79.0 | 79.9 | 81.9 | 84.5 | 86.1 | 91.7 | 90.9 | 83.9 | |
| (731.52 M) | | 103 | 75.0 | 73.3 | 75.2 | 76.1 | 77.6 | 78.1 | 79.9 | 81.7 | 84.4 | 87.9 | 89.2 | 90.2 | 88.3 | 85.9 | |
| NFA 0. RPM | | 123 | 71.7 | 72.4 | 75.4 | 76.2 | 77.6 | 78.9 | 81.5 | 82.3 | 85.2 | 88.9 | 89.6 | 88.2 | 86.5 | 82.9 | |
| { 0. RAD/SEC} | | 160 | 70.7 | 73.8 | 75.9 | 76.7 | 78.4 | 79.6 | 82.4 | 82.6 | 84.9 | 89.6 | 90.4 | 89.1 | 85.4 | 81.1 | |
| NFK 0. RPM | | 200 | 71.3 | 74.2 | 75.8 | 77.3 | 79.2 | 80.5 | 82.2 | 83.3 | 86.2 | 89.3 | 89.5 | 88.2 | 85.1 | 80.3 | |
| { 0. RAD/SEC} | | 250 | 73.0 | 73.8 | 75.5 | 78.9 | 80.2 | 81.0 | 82.3 | 83.7 | 86.2 | 89.5 | 89.4 | 88.7 | 86.8 | 81.3 | |
| NFB 0. RPM | | 313 | 72.3 | 74.7 | 77.0 | 77.2 | 78.9 | 80.4 | 82.6 | 83.4 | 87.1 | 89.0 | 88.7 | 88.9 | 87.2 | 80.4 | |
| { 0. RAD/SEC} | | 400 | 71.8 | 74.7 | 76.5 | 77.4 | 79.6 | 80.1 | 81.9 | 83.2 | 86.3 | 89.3 | 89.1 | 89.9 | 87.3 | 80.1 | |
| AIRFLOW RATIO | | 500 | 71.1 | 74.8 | 76.4 | 77.0 | 79.2 | 79.9 | 81.8 | 83.0 | 86.6 | 88.3 | 88.4 | 89.0 | 85.5 | 77.3 | |
| WF/WB 8.00 | | 630 | 73.1 | 77.5 | 78.5 | 77.3 | 79.2 | 80.5 | 81.9 | 83.4 | 86.7 | 88.2 | 88.8 | 89.4 | 83.9 | 74.9 | |
| | | 800 | 72.9 | 80.6 | 82.8 | 81.4 | 80.9 | 79.7 | 81.1 | 82.4 | 85.5 | 86.5 | 87.4 | 87.5 | 82.0 | 71.8 | |
| VEHICLE JENDTS | | 1000 | 68.0 | 76.3 | 81.2 | 84.8 | 85.1 | 81.5 | 80.3 | 81.3 | 84.1 | 85.4 | 85.9 | 84.5 | 79.4 | 69.1 | |
| CONFIG Jc#955 | | 1250 | 64.9 | 72.0 | 76.2 | 81.0 | 84.5 | 84.3 | 80.6 | 80.7 | 83.4 | 83.3 | 83.6 | 82.3 | 76.9 | 65.8 | |
| LOC EVENDALE | | 1600 | 61.5 | 70.3 | 73.9 | 75.8 | 79.9 | 81.6 | 81.3 | 80.0 | 80.7 | 81.1 | 81.3 | 79.6 | 73.0 | 60.8 | |
| DATE 34-16-75 | | 2000 | 55.5 | 66.0 | 71.1 | 73.8 | 76.6 | 76.9 | 78.7 | 77.7 | 78.5 | 78.5 | 78.0 | 75.7 | 68.0 | 54.6 | |
| RUN DBTF-MODEL 7 | | 2500 | 49.7 | 60.7 | 65.8 | 69.9 | 72.7 | 73.3 | 74.4 | 73.7 | 75.4 | 74.3 | 73.7 | 70.6 | 62.5 | 46.2 | |
| TARE - X70150 | | 3150 | 40.8 | 53.5 | 59.9 | 64.5 | 66.7 | 68.2 | 69.7 | 69.1 | 70.1 | 69.2 | 67.1 | 62.7 | 58.6 | 33.8 | |
| FAN TIP SPEED | | 4000 | 27.1 | 42.6 | 50.3 | 55.4 | 59.4 | 61.5 | 62.0 | 62.0 | 61.6 | 61.6 | 58.7 | 52.9 | 41.5 | 15.5 | |
| FT/SEC | | 5000 | 19.0 | 35.6 | 44.8 | 50.4 | 53.4 | 55.1 | 55.8 | 55.5 | 56.9 | 54.8 | 52.9 | 44.9 | 38.5 | 5.4 | |
| | | 6300 | | 19.4 | 31.1 | 37.9 | 41.6 | 44.0 | 44.9 | 44.7 | 45.1 | 43.2 | 40.5 | 29.7 | 14.1 | | |
| | | 8000 | | | 11.3 | 20.4 | 25.2 | 28.1 | 29.7 | 29.6 | 30.0 | 27.9 | 21.8 | 7.7 | | | |
| | | 10000 | | | | | 3.9 | 8.3 | 9.3 | 10.1 | 9.4 | 8.4 | | | | | |
| OVERALL CALCULATED | | | 83.0 | 86.9 | 89.5 | 90.7 | 92.3 | 92.4 | 93.5 | 94.3 | 97.1 | 99.6 | 100.2 | 100.9 | 98.9 | 93.3 | |
| PNDB | | | 87.0 | 93.2 | 96.1 | 98.0 | 100.0 | 100.6 | 101.2 | 101.1 | 103.1 | 105.0 | 105.1 | 105.1 | 101.7 | 94.1 | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHLI | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. |
| REV. | ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) |
| | | 30 | 35.4 | 40.8 | 46.2 | 51.6 | 57.0 | 62.4 | 67.8 | 73.2 | 78.6 | 84.0 | 89.4 | 94.8 | 100.2 | 105.6 | 111.0 | 116.4 | 121.8 | 127.2 |
| | NO EGA | 83 | 88.8 | 94.2 | 99.6 | 105.0 | 110.4 | 115.8 | 121.2 | 126.6 | 132.0 | 137.4 | 142.8 | 148.2 | 153.6 | 159.0 | 164.4 | 169.8 | 175.2 | 180.6 |
| | RCG. NO. J. | 85 | 93.6 | 101.2 | 108.8 | 116.4 | 124.0 | 131.6 | 139.2 | 146.8 | 154.4 | 162.0 | 169.6 | 177.2 | 184.8 | 192.4 | 200.0 | 207.6 | 215.2 | 222.8 |
| | RADIAL 32. FY. | 100 | 87.5 | 87.7 | 88.6 | 87.8 | 89.0 | 88.5 | 90.4 | 92.9 | 95.0 | 98.8 | 101.2 | 104.5 | 105.0 | 107.2 | 108.1 | 109.2 | 110.2 | 111.2 |
| | (98.4) | 125 | 87.5 | 86.9 | 85.8 | 87.7 | 86.8 | 89.9 | 91.7 | 92.6 | 95.6 | 99.1 | 101.0 | 102.9 | 102.4 | 101.7 | 100.4 | 99.1 | 97.9 | 96.0 |
| | VEHICLE JENQTS | 160 | 36.5 | 87.2 | 87.9 | 87.5 | 88.2 | 89.7 | 91.7 | 92.4 | 95.2 | 98.6 | 101.6 | 103.2 | 99.4 | 97.9 | 95.5 | 93.3 | 91.3 | 89.3 |
| | CCNFIG JENQTS | 250 | 85.3 | 87.2 | 87.2 | 87.5 | 88.8 | 90.0 | 91.8 | 92.8 | 95.4 | 98.0 | 100.6 | 100.5 | 97.4 | 95.2 | 93.3 | 91.3 | 89.3 | 87.3 |
| | LOC. EVENDALE | 250 | 86.4 | 86.6 | 86.1 | 88.2 | 89.3 | 89.9 | 90.6 | 92.1 | 94.5 | 97.7 | 99.5 | 99.5 | 96.1 | 93.3 | 91.3 | 89.3 | 87.3 | 85.3 |
| | DATE 04-15-75 | 315 | 85.1 | 86.6 | 86.8 | 86.5 | 87.7 | 88.7 | 90.0 | 91.5 | 94.4 | 96.9 | 97.8 | 98.3 | 94.7 | 90.6 | 87.3 | 84.0 | 80.7 | 77.4 |
| | RUN DBTF-MODEL 7 | 400 | 83.7 | 86.0 | 86.1 | 86.6 | 87.5 | 88.2 | 89.6 | 91.0 | 93.2 | 96.0 | 96.5 | 96.7 | 93.4 | 90.5 | 87.7 | 84.8 | 81.9 | 79.0 |
| | TAPE X73160 | 500 | 82.1 | 84.6 | 84.7 | 86.0 | 86.8 | 87.5 | 88.8 | 89.6 | 92.7 | 95.3 | 95.0 | 94.2 | 92.0 | 88.7 | 85.4 | 82.1 | 78.8 | 75.5 |
| | BAR 29.9 HG | 630 | 81.2 | 83.5 | 84.1 | 84.6 | 85.5 | 86.8 | 87.0 | 89.5 | 92.3 | 94.2 | 94.4 | 94.3 | 91.7 | 88.6 | 85.5 | 82.4 | 79.3 | 76.2 |
| | 101039. N742) | 800 | 80.1 | 82.9 | 83.6 | 84.0 | 85.8 | 86.1 | 87.0 | 88.2 | 91.2 | 93.3 | 93.5 | 93.1 | 91.0 | 87.7 | 84.4 | 81.1 | 77.8 | 74.5 |
| | TAMB 59. DEG F | 1000 | 79.1 | 81.4 | 82.4 | 83.4 | 85.1 | 85.7 | 86.3 | 87.5 | 89.9 | 92.3 | 91.8 | 91.6 | 90.2 | 87.7 | 84.4 | 81.1 | 77.8 | 74.5 |
| | (288. DEG K) | 1250 | 78.4 | 81.6 | 82.1 | 82.9 | 84.6 | 84.6 | 85.2 | 86.5 | 89.3 | 90.6 | 90.8 | 90.4 | 88.6 | 85.2 | 81.9 | 78.6 | 75.3 | 72.0 |
| | THET 53. DEG F | 1600 | 76.0 | 80.3 | 80.6 | 80.8 | 82.7 | 82.7 | 84.5 | 85.4 | 87.3 | 88.9 | 89.6 | 89.0 | 87.1 | 83.7 | 80.4 | 77.1 | 73.8 | 70.5 |
| | (285. DEG K) | 2000 | 74.1 | 77.9 | 78.6 | 79.7 | 81.6 | 81.6 | 83.5 | 84.0 | 86.5 | 87.7 | 88.1 | 87.1 | 85.6 | 82.2 | 78.9 | 75.6 | 72.3 | 69.0 |
| | HACT 8.91 GM/H3 | 2500 | 72.3 | 76.3 | 76.8 | 77.6 | 79.1 | 79.5 | 80.9 | 82.4 | 84.5 | 85.3 | 86.2 | 85.2 | 84.0 | 81.8 | 78.5 | 75.2 | 71.9 | 68.6 |
| | (.03891 KG/H3) | 3150 | 69.7 | 74.9 | 75.4 | 75.8 | 77.0 | 77.6 | 78.9 | 80.2 | 82.2 | 83.5 | 83.7 | 83.1 | 82.5 | 80.2 | 76.9 | 73.6 | 70.3 | 67.0 |
| | FREQ. SHIFT | 4000 | 66.9 | 72.4 | 72.0 | 72.7 | 73.8 | 75.1 | 76.1 | 77.1 | 79.0 | 81.2 | 81.6 | 80.7 | 80.0 | 76.9 | 73.6 | 70.3 | 67.0 | 63.7 |
| | JET 9 | 5000 | 64.9 | 72.1 | 70.6 | 71.4 | 72.0 | 72.0 | 72.7 | 74.4 | 76.5 | 78.3 | 78.7 | 77.4 | 77.4 | 75.5 | 74.1 | 72.7 | 71.3 | 69.9 |
| | DIAMETER RATIO | 6300 | 64.1 | 71.3 | 69.3 | 70.1 | 70.0 | 69.5 | 71.1 | 72.0 | 73.0 | 74.2 | 76.9 | 76.6 | 75.5 | 74.1 | 72.7 | 71.3 | 69.9 | 68.5 |
| | DF/DH 8.00 | 8000 | 64.4 | 67.4 | 67.3 | 68.5 | 68.3 | 67.1 | 68.3 | 69.9 | 70.3 | 72.2 | 76.8 | 76.0 | 75.7 | 75.0 | 73.6 | 72.2 | 70.8 | 69.4 |
| | OVERALL CALCULATED | 10000 | 65.6 | 65.5 | 64.8 | 66.5 | 67.3 | 66.1 | 66.9 | 69.1 | 67.3 | 68.3 | 77.1 | 77.1 | 76.6 | 76.3 | 75.0 | 73.6 | 72.2 | 70.8 |
| | PNRB | 102.3 | 104.5 | 105.0 | 105.4 | 106.7 | 107.1 | 108.7 | 109.8 | 112.1 | 114.6 | 115.6 | 116.4 | 116.0 | 114.8 | 113.3 | 111.8 | 110.3 | 108.8 | 107.3 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 61.6 | 62.1 | 70.0 | 66.2 | 67.7 | 68.2 | 70.9 | 71.5 | 75.1 | 78.1 | 77.7 | 83.2 | 84.1 | 78.3 | | | |
| SIDELINE 2400' FT. | 80 | 64.5 | 66.2 | 67.8 | 67.4 | 69.4 | 69.6 | 72.0 | 73.1 | 75.2 | 77.2 | 79.4 | 85.5 | 84.1 | 77.9 | | | |
| (731.52 M) | 100 | 63.3 | 65.8 | 68.4 | 68.6 | 70.6 | 70.6 | 72.6 | 74.9 | 76.7 | 79.6 | 81.0 | 82.7 | 80.8 | 79.4 | | | |
| NFA 0. RPM | 125 | 63.2 | 64.9 | 68.4 | 69.3 | 70.3 | 71.9 | 73.8 | 74.6 | 77.2 | 79.9 | 80.6 | 80.9 | 78.0 | 73.6 | | | |
| (0. RAD/SEC) | 160 | 61.9 | 65.1 | 67.4 | 68.2 | 69.7 | 71.6 | 73.7 | 74.3 | 76.6 | 79.3 | 81.1 | 81.1 | 74.9 | 69.6 | | | |
| NFK 0. RPM | 200 | 60.5 | 64.9 | 66.5 | 68.0 | 71.2 | 71.8 | 73.7 | 74.5 | 76.7 | 78.6 | 80.0 | 78.2 | 72.6 | 66.5 | | | |
| (0. RAD/SEC) | 250 | 61.2 | 64.0 | 65.2 | 66.6 | 71.4 | 71.5 | 72.3 | 73.7 | 75.7 | 78.0 | 78.6 | 77.0 | 71.0 | 64.1 | | | |
| NFD 0. RPM | 315 | 59.6 | 63.7 | 65.7 | 66.7 | 68.6 | 70.1 | 71.6 | 72.9 | 75.3 | 77.0 | 76.7 | 75.4 | 69.2 | 60.7 | | | |
| (0. RAD/SEC) | 400 | 57.6 | 62.7 | 64.7 | 66.4 | 68.1 | 69.3 | 70.9 | 72.1 | 73.8 | 75.8 | 75.1 | 73.4 | 67.3 | 59.8 | | | |
| AIRFLOW RATIO | 530 | 55.3 | 63.8 | 62.8 | 65.5 | 67.2 | 68.3 | 69.8 | 70.5 | 73.1 | 74.8 | 73.1 | 70.4 | 65.2 | 57.0 | | | |
| WF/WH 8.00 | 635 | 53.6 | 59.0 | 61.7 | 63.6 | 65.4 | 67.2 | 69.6 | 69.9 | 72.2 | 73.2 | 72.0 | 69.9 | 64.1 | 55.6 | | | |
| | 800 | 51.4 | 57.6 | 60.5 | 62.4 | 65.1 | 66.0 | 67.1 | 68.1 | 70.5 | 71.7 | 70.4 | 67.7 | 62.2 | 53.1 | | | |
| VEHICLE JENOTS | 1000 | 49.0 | 55.0 | 58.4 | 61.0 | 63.8 | 64.9 | 65.8 | 66.8 | 68.5 | 69.9 | 67.8 | 65.5 | 60.1 | 51.1 | | | |
| CONFIG JE*055 | 1250 | 46.6 | 54.0 | 57.1 | 59.7 | 62.5 | 63.0 | 63.8 | 64.9 | 67.1 | 67.3 | 65.8 | 62.8 | 56.8 | 48.0 | | | |
| LDC EVENDALE | 1600 | 41.7 | 51.8 | 54.1 | 56.2 | 59.3 | 60.0 | 62.0 | 62.7 | 63.9 | 64.3 | 63.0 | 59.5 | 53.2 | 42.6 | | | |
| DATE 04-16-75 | 2009 | 37.0 | 46.2 | 50.3 | 53.5 | 56.8 | 57.6 | 59.7 | 59.9 | 61.7 | 61.5 | 59.7 | 55.4 | 48.5 | 36.6 | | | |
| RUN DBTF-MODEL 7 | 2500 | 31.0 | 41.4 | 45.8 | 49.1 | 52.2 | 53.5 | 55.1 | 56.3 | 57.6 | 56.8 | 55.2 | 50.3 | 42.7 | 28.4 | | | |
| TAPE 476160 | 3150 | 21.7 | 34.9 | 40.2 | 43.6 | 46.8 | 48.3 | 50.1 | 51.0 | 51.9 | 51.3 | 48.5 | 43.1 | 34.4 | 16.7 | | | |
| FAN TIP SPEED | 4000 | 8.7 | 24.7 | 30.4 | 35.0 | 38.5 | 41.1 | 42.6 | 43.1 | 43.7 | 43.5 | 40.0 | 33.0 | 21.8 | | | | |
| FT/SEC | 5000 | 0.9 | 19.9 | 25.4 | 30.5 | 33.7 | 35.3 | 36.4 | 37.6 | 38.3 | 37.4 | 33.5 | 25.2 | 13.4 | | | | |
| | 6300 | | 6.0 | 13.2 | 19.8 | 23.2 | 24.6 | 26.8 | 27.1 | 26.2 | 27.8 | 20.9 | 11.3 | | | | | |
| | 8000 | | | | 3.8 | 8.3 | 9.7 | 11.8 | 12.5 | 10.4 | 14.5 | 4.2 | | | | | | |
| OVERALL CALCULATED | 10000 | 72.5 | 75.2 | 77.9 | 78.3 | 80.3 | 81.4 | 83.3 | 84.3 | 86.6 | 88.8 | 89.8 | 91.8 | 90.4 | 85.5 | | | |
| PNDB | | 72.2 | 77.2 | 79.9 | 81.7 | 83.9 | 85.1 | 86.9 | 88.0 | 90.0 | 91.7 | 91.9 | 91.2 | 88.1 | 82.4 | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE - MONTH 4 DAY 29 HR. 20.2
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.0) | (3.0) | PWLI |
|--------------------|-------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| REG. NO. EGA. | 50 | 89.2 | 86.7 | 90.1 | 88.9 | 90.7 | 91.0 | 93.1 | 93.8 | 97.3 | 101.3 | 102.8 | 110.3 | 112.7 | 110.4 | | | | | 162.5 |
| RADIAL 323, FT. | 100 | 92.0 | 91.7 | 92.1 | 92.8 | 93.8 | 93.8 | 95.7 | 97.9 | 100.5 | 104.0 | 106.5 | 108.5 | 108.0 | 112.2 | | | | | 162.2 |
| VEHICLE JENOTS | 125 | 93.1 | 91.9 | 93.3 | 92.7 | 93.5 | 94.7 | 97.2 | 98.1 | 101.4 | 105.3 | 107.0 | 107.4 | 107.7 | 107.4 | | | | | 161.5 |
| CCNFIC JE-055 | 160 | 92.3 | 92.2 | 92.9 | 93.1 | 94.0 | 94.9 | 97.7 | 98.2 | 101.2 | 105.1 | 107.4 | 107.7 | 106.7 | 105.5 | | | | | 161.3 |
| LCC EVELDALE | 250 | 91.3 | 92.7 | 92.9 | 93.0 | 94.3 | 95.8 | 97.8 | 98.5 | 101.4 | 104.8 | 106.4 | 106.2 | 104.9 | 104.2 | | | | | 160.5 |
| DATE 4-16-75 | 315 | 92.6 | 93.1 | 93.1 | 92.3 | 93.9 | 95.3 | 97.0 | 99.0 | 101.9 | 104.2 | 104.8 | 105.8 | 104.2 | 103.8 | | | | | 160.0 |
| RLN CBTF-MODEL 7 | 400 | 91.9 | 92.5 | 93.1 | 93.3 | 94.7 | 95.2 | 96.6 | 98.0 | 101.2 | 104.7 | 104.3 | 105.8 | 105.2 | 105.8 | | | | | 160.2 |
| TAPE X70180 | 500 | 91.1 | 92.1 | 91.9 | 92.8 | 94.6 | 95.5 | 96.6 | 98.4 | 101.8 | 103.9 | 104.3 | 104.5 | 105.3 | 105.0 | | | | | 159.9 |
| BAR 29.9 HG | 630 | 91.2 | 91.8 | 91.9 | 92.1 | 93.8 | 94.8 | 97.3 | 98.8 | 101.8 | 104.2 | 104.5 | 105.1 | 106.2 | 105.6 | | | | | 160.3 |
| 101039, N/42 | 800 | 91.6 | 92.7 | 92.4 | 92.8 | 94.5 | 95.1 | 96.3 | 97.8 | 100.9 | 103.6 | 104.0 | 105.1 | 107.0 | 106.0 | | | | | 160.3 |
| TAMB 59, DEG F | 1000 | 93.4 | 95.4 | 93.7 | 92.9 | 94.4 | 95.0 | 95.9 | 97.6 | 100.6 | 102.8 | 103.1 | 104.4 | 106.8 | 106.0 | | | | | 160.0 |
| (288, DEG K) | 1250 | 96.7 | 97.9 | 96.9 | 95.7 | 95.9 | 94.8 | 95.2 | 97.0 | 100.1 | 102.4 | 102.4 | 104.7 | 105.4 | 104.3 | | | | | 159.8 |
| TMET 53, DEG F | 1600 | 96.0 | 98.6 | 99.4 | 97.9 | 98.3 | 95.8 | 95.3 | 96.1 | 99.1 | 101.2 | 101.3 | 103.5 | 104.0 | 102.4 | | | | | 159.4 |
| (285, DEG K) | 2000 | 91.9 | 94.7 | 96.4 | 97.7 | 99.1 | 96.9 | 95.0 | 95.5 | 97.3 | 99.7 | 100.1 | 101.9 | 102.2 | 101.0 | | | | | 158.4 |
| MACT 8.91 GM/M3 | 2500 | 89.0 | 91.1 | 92.0 | 93.8 | 96.6 | 95.6 | 94.9 | 93.7 | 96.3 | 97.1 | 98.5 | 99.2 | 99.8 | 98.6 | | | | | 156.5 |
| (.00891 KG/M3) | 3150 | 86.6 | 89.3 | 90.3 | 91.4 | 91.9 | 92.4 | 93.1 | 92.9 | 93.9 | 95.2 | 95.9 | 96.8 | 97.9 | 97.3 | | | | | 154.6 |
| FREQ. SHIFT | 4000 | 82.8 | 86.4 | 87.7 | 88.8 | 89.4 | 89.7 | 90.0 | 90.7 | 91.4 | 92.3 | 93.7 | 93.8 | 95.4 | 93.8 | | | | | 152.7 |
| JET | 5000 | 81.5 | 84.4 | 85.0 | 85.8 | 86.9 | 86.9 | 87.4 | 87.8 | 88.9 | 89.4 | 90.9 | 90.8 | 92.7 | 91.0 | | | | | 150.4 |
| DIAMETER RATIO | 6300 | 77.0 | 80.4 | 81.9 | 82.7 | 83.9 | 83.9 | 84.4 | 84.6 | 86.1 | 86.8 | 89.5 | 88.7 | 90.8 | 89.2 | | | | | 149.2 |
| DF/CM 8.00 | 8000 | 72.8 | 76.3 | 78.4 | 80.1 | 80.2 | 80.0 | 80.9 | 82.0 | 82.7 | 84.4 | 87.4 | 87.6 | 89.6 | 87.9 | | | | | 148.8 |
| OVERALL CALCULATED | 10000 | 69.3 | 71.1 | 75.9 | 77.5 | 77.7 | 78.3 | 78.4 | 80.3 | 79.7 | 84.0 | 87.3 | 88.0 | 88.8 | 87.5 | | | | | 150.6 |
| PNDP | | 115.4 | 117.3 | 117.9 | 118.3 | 119.6 | 119.0 | 119.3 | 119.6 | 122.1 | 124.1 | 125.2 | 126.5 | 127.0 | 126.1 | | | | | 174.8 |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM., DAY)

| REV. ALPHA 12773 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) |
| NO EGA | 50 | 65.3 | 65.1 | 70.0 | 70.0 | 72.4 | 73.2 | 75.4 | 76.0 | 79.1 | 82.4 | 82.7 | 88.7 | 88.9 | 83.1 | | |
| SIDELINE 2400. FT. | 63 | 67.4 | 69.9 | 71.7 | 71.3 | 73.0 | 74.5 | 76.3 | 77.6 | 80.2 | 81.7 | 83.4 | 89.5 | 87.9 | 81.1 | | |
| (731.92 M) | 80 | 66.8 | 70.5 | 72.6 | 71.7 | 74.4 | 74.9 | 77.1 | 78.2 | 81.6 | 83.4 | 86.6 | 89.3 | 88.6 | 83.0 | | |
| NFA 0. RPM | 110 | 67.8 | 69.8 | 71.9 | 73.6 | 75.4 | 75.8 | 77.9 | 79.9 | 82.2 | 84.9 | 86.2 | 86.7 | 83.8 | 84.4 | | |
| (0. RAD/SEC) | 125 | 68.7 | 69.9 | 72.9 | 73.5 | 75.1 | 76.7 | 79.3 | 80.1 | 82.9 | 86.2 | 86.6 | 85.5 | 83.5 | 79.4 | | |
| NFK 0. RPM | 160 | 67.7 | 70.1 | 72.4 | 73.7 | 75.4 | 76.8 | 79.7 | 80.1 | 82.6 | 85.8 | 86.9 | 85.6 | 82.1 | 77.1 | | |
| (0. RAD/SEC) | 200 | 66.5 | 70.4 | 72.3 | 73.5 | 75.7 | 77.5 | 79.7 | 80.3 | 82.7 | 85.3 | 85.7 | 83.9 | 80.1 | 75.5 | | |
| NFD 0. RPM | 250 | 67.7 | 68.5 | 71.0 | 74.6 | 76.7 | 77.8 | 78.8 | 80.0 | 82.7 | 85.0 | 85.4 | 84.2 | 79.8 | 75.1 | | |
| (0. RAD/SEC) | 315 | 67.1 | 70.2 | 72.0 | 72.4 | 74.9 | 76.7 | 78.6 | 80.4 | 82.8 | 84.3 | 83.7 | 82.9 | 78.7 | 73.9 | | |
| AIRFLOW RATIO | 400 | 65.8 | 69.2 | 71.7 | 73.2 | 75.4 | 76.4 | 77.9 | 79.2 | 81.8 | 84.6 | 82.9 | 82.4 | 79.1 | 74.6 | | |
| WF/WK 8.00 | 500 | 64.4 | 68.3 | 70.1 | 72.2 | 74.9 | 76.4 | 77.6 | 79.2 | 82.1 | 83.3 | 82.4 | 80.7 | 78.5 | 73.3 | | |
| | 630 | 63.6 | 67.3 | 69.5 | 71.1 | 73.7 | 75.3 | 77.9 | 79.2 | 81.7 | 83.2 | 82.1 | 80.7 | 78.6 | 72.6 | | |
| VEHICLE JENOTS | 800 | 62.9 | 67.4 | 69.3 | 71.1 | 73.9 | 75.0 | 76.4 | 77.7 | 80.3 | 82.0 | 80.9 | 79.8 | 78.2 | 71.3 | | |
| CONFIG JE*055 | 1000 | 63.3 | 69.1 | 69.7 | 70.5 | 73.1 | 74.2 | 75.3 | 76.8 | 79.3 | 80.4 | 79.1 | 78.0 | 76.7 | 69.4 | | |
| LOG EVENDALE | 1250 | 64.9 | 70.3 | 71.9 | 72.5 | 73.8 | 73.3 | 73.9 | 75.5 | 77.9 | 79.1 | 77.3 | 77.1 | 73.6 | 65.8 | | |
| DATE 04-16-75 | 1600 | 61.8 | 69.1 | 72.6 | 73.3 | 74.9 | 73.1 | 72.8 | 73.5 | 75.7 | 76.6 | 74.8 | 74.1 | 69.8 | 59.6 | | |
| RUN DBTF-MODEL 7 | 2000 | 54.7 | 63.0 | 68.1 | 71.5 | 74.3 | 72.9 | 71.2 | 71.5 | 72.5 | 73.5 | 71.8 | 70.2 | 65.0 | 53.9 | | |
| TARE X70180 | 2500 | 47.7 | 56.2 | 61.0 | 65.4 | 69.7 | 69.5 | 69.2 | 67.7 | 69.4 | 68.6 | 67.5 | 64.3 | 58.5 | 45.2 | | |
| FAN TIP SPEED | 3150 | 38.6 | 49.3 | 55.1 | 59.3 | 61.7 | 63.2 | 64.2 | 63.6 | 63.6 | 63.0 | 60.6 | 56.7 | 49.8 | 33.8 | | |
| FT/SEC | 4000 | 24.6 | 38.4 | 46.1 | 51.1 | 57.1 | 55.7 | 56.5 | 56.7 | 56.1 | 54.6 | 52.2 | 46.1 | 37.2 | 15.2 | | |
| | 5000 | 16.5 | 32.2 | 39.8 | 44.9 | 48.6 | 50.1 | 51.1 | 51.0 | 50.7 | 46.5 | 45.6 | 38.6 | 28.7 | 3.8 | | |
| | 6300 | | 15.1 | 25.9 | 32.4 | 37.1 | 39.0 | 40.2 | 39.7 | 39.3 | 36.5 | 33.5 | 23.5 | 9.6 | | | |
| | 8000 | | | 5.8 | 15.4 | 20.2 | 22.6 | 24.4 | 24.6 | 22.8 | 19.6 | 14.8 | 2.2 | | | | |
| OVERALL CALCULATED | 10000 | | | | | | 3.6 | 4.8 | 5.6 | 1.4 | | | | | | | |
| PND8 | | 78.2 | 81.4 | 83.7 | 84.9 | 87.0 | 88.0 | 89.7 | 90.9 | 93.5 | 95.7 | 96.0 | 97.0 | 95.3 | 90.3 | | |
| | | 82.1 | 87.8 | 91.0 | 92.6 | 95.2 | 95.1 | 95.5 | 96.2 | 98.6 | 100.5 | 99.8 | 99.1 | 98.1 | 91.1 | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE 4 MONTH 4 DAY 29 HR. 20.2
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY = JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHU | | |
|------------------|--------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----|-------|--|
| | | 0.52 | 0.70 | 0.87 | 1.05 | 1.22 | 1.40 | 1.57 | 1.75 | 1.92 | 2.09 | 2.27 | 2.44 | 2.62 | 2.79 | 0. | 0. | 0. | PWL | |
| REV. ALPHA 12/73 | FREQ. | 50 | 92.9 | 91.2 | 96.8 | 92.9 | 94.2 | 94.2 | 96.3 | 97.3 | 100.6 | 103.1 | 106.8 | 112.5 | 116.5 | 111.6 | | | 165.6 | |
| | NO EGA | 63 | 96.8 | 95.6 | 95.8 | 94.3 | 95.5 | 96.4 | 98.2 | 99.2 | 101.9 | 105.9 | 109.0 | 115.9 | 116.6 | 114.1 | | | 167.2 | |
| RDG. NO. | 80 | 96.8 | 97.0 | 96.7 | 94.7 | 96.2 | 95.8 | 98.6 | 99.6 | 103.7 | 107.2 | 111.5 | 115.6 | 118.7 | 117.1 | | | | 168.7 | |
| RADIAL 320. FT. | 100 | 97.0 | 96.9 | 97.4 | 96.5 | 98.3 | 97.8 | 99.7 | 101.4 | 104.5 | 109.0 | 111.5 | 114.5 | 116.0 | 116.2 | | | | 167.7 | |
| (98.4) | 125 | 97.8 | 96.6 | 98.0 | 97.1 | 97.5 | 98.7 | 101.2 | 101.8 | 105.4 | 110.3 | 112.0 | 112.4 | 115.6 | 113.4 | | | | 167.1 | |
| VEHICLE JENOTS | 150 | 97.5 | 97.7 | 98.1 | 97.8 | 98.7 | 99.2 | 101.7 | 102.4 | 105.9 | 110.6 | 112.8 | 113.0 | 114.7 | 112.9 | | | | 167.2 | |
| CCNFIG JE*55 | 200 | 97.8 | 98.7 | 97.9 | 98.5 | 98.6 | 100.7 | 102.5 | 103.0 | 106.3 | 110.3 | 111.6 | 112.5 | 113.6 | 112.5 | | | | 166.7 | |
| LOC EVENDALE | 250 | 99.9 | 98.9 | 97.8 | 99.7 | 101.0 | 101.1 | 103.2 | 103.4 | 106.8 | 110.7 | 111.4 | 113.8 | 114.9 | 113.3 | | | | 167.4 | |
| DATE 04-16-75 | 315 | 99.8 | 99.8 | 99.8 | 98.9 | 99.9 | 100.5 | 102.2 | 103.5 | 107.6 | 110.4 | 111.5 | 114.5 | 115.7 | 112.0 | | | | 167.7 | |
| RUN DBTF-MODEL 7 | 400 | 99.6 | 99.7 | 99.1 | 99.5 | 100.7 | 100.7 | 102.6 | 104.0 | 106.9 | 110.7 | 112.0 | 115.5 | 115.4 | 111.2 | | | | 168.0 | |
| TAPE X70200 | 500 | 98.8 | 100.1 | 98.6 | 98.7 | 100.0 | 101.0 | 102.5 | 103.9 | 108.0 | 110.6 | 112.2 | 115.0 | 113.7 | 108.9 | | | | 167.5 | |
| BAR 29.9 HG | 630 | 100.9 | 103.9 | 101.3 | 99.8 | 100.5 | 101.0 | 102.7 | 104.2 | 108.2 | 110.4 | 113.1 | 115.3 | 112.7 | 107.9 | | | | 167.8 | |
| (01039, N/42) | 800 | 99.6 | 105.1 | 105.1 | 103.7 | 102.7 | 101.3 | 102.0 | 103.9 | 107.9 | 109.7 | 112.2 | 114.0 | 111.4 | 106.4 | | | | 167.3 | |
| TAMB 59. DEG F | 1030 | 97.0 | 101.1 | 103.6 | 105.8 | 106.8 | 102.9 | 102.3 | 103.7 | 107.0 | 108.9 | 111.4 | 112.5 | 110.7 | 105.9 | | | | 166.8 | |
| (288, DEG K) | 1250 | 96.1 | 99.0 | 100.3 | 102.8 | 105.5 | 105.2 | 103.1 | 103.6 | 106.5 | 108.5 | 110.2 | 111.1 | 109.5 | 104.6 | | | | 166.0 | |
| TWET 53, DEG F | 1600 | 94.1 | 98.9 | 100.2 | 100.2 | 102.6 | 102.8 | 104.1 | 103.0 | 105.7 | 107.5 | 109.2 | 109.9 | 108.3 | 103.7 | | | | 165.0 | |
| (265, DEG K) | 2000 | 92.7 | 96.8 | 98.5 | 99.6 | 101.7 | 100.8 | 102.6 | 102.4 | 104.4 | 105.8 | 107.9 | 108.2 | 107.2 | 101.3 | | | | 163.8 | |
| WACT 8.91 GM/M3 | 2500 | 90.1 | 94.7 | 95.9 | 97.7 | 99.7 | 99.4 | 100.5 | 100.8 | 103.4 | 103.7 | 106.6 | 106.3 | 105.1 | 99.4 | | | | 162.4 | |
| (.00291 KG/M3) | 3150 | 88.1 | 93.3 | 94.8 | 96.7 | 97.7 | 98.2 | 99.1 | 99.3 | 101.6 | 101.9 | 104.8 | 104.5 | 103.3 | 98.3 | | | | 161.2 | |
| FREQ. SHIFT | 4000 | 84.9 | 90.2 | 91.7 | 93.4 | 94.7 | 95.3 | 96.6 | 97.0 | 99.2 | 99.7 | 103.1 | 102.7 | 101.7 | 95.4 | | | | 159.8 | |
| JET 9 | 5000 | 83.1 | 87.8 | 90.1 | 91.4 | 92.7 | 92.8 | 93.5 | 94.6 | 97.2 | 97.5 | 100.2 | 99.6 | 99.3 | 93.8 | | | | 157.7 | |
| DIAMETER RATIO | 6300 | 80.3 | 85.8 | 87.0 | 88.3 | 89.2 | 89.5 | 90.8 | 91.8 | 93.8 | 94.9 | 98.7 | 99.1 | 97.7 | 91.6 | | | | 156.8 | |
| DF/DH 8.00 | 8000 | 77.5 | 82.4 | 83.6 | 85.5 | 86.1 | 86.1 | 87.3 | 90.1 | 92.1 | 94.0 | 96.8 | 98.3 | 97.7 | 90.3 | | | | 157.3 | |
| | 10000 | 76.9 | 78.2 | 79.8 | 81.8 | 82.3 | 83.4 | 83.9 | 89.9 | 89.5 | 94.5 | 95.6 | 98.3 | 98.1 | 88.8 | | | | 159.4 | |
| OVERALL BALCU | 110.3 | 112.2 | 112.4 | 112.7 | 114.0 | 113.5 | 114.6 | 115.4 | 118.8 | 121.8 | 123.8 | 126.1 | 126.9 | 124.4 | | | | | 179.7 | |
| PND8 | 118.0 | 121.1 | 121.9 | 122.7 | 124.2 | 124.0 | 125.2 | 125.8 | 128.7 | 130.4 | 132.8 | 133.8 | 133.4 | 129.3 | | | | | 181.0 | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|-----|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 35 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 |
| | | (0.61) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) |
| REV | ALPHA 12/73 | FREQ | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
| | | 50 | 69.1 | 69.6 | 76.8 | 74.0 | 73.9 | 76.4 | 78.2 | 79.5 | 82.3 | 86.1 | 86.7 | 90.9 | 92.6 | 94.3 | 96.6 | 98.5 | 100.0 |
| | | 75 | 72.9 | 73.9 | 75.7 | 75.3 | 77.2 | 78.5 | 80.5 | 81.4 | 83.7 | 87.0 | 88.9 | 91.2 | 92.6 | 94.6 | 96.6 | 98.5 | 100.0 |
| | | 100 | 72.8 | 75.2 | 76.6 | 75.7 | 77.9 | 77.9 | 80.9 | 81.7 | 85.4 | 88.2 | 91.3 | 93.8 | 94.6 | 96.6 | 98.5 | 100.0 | 100.0 |
| | | 125 | 73.5 | 74.7 | 77.7 | 78.0 | 79.1 | 80.7 | 83.3 | 83.8 | 86.9 | 89.9 | 91.2 | 92.7 | 94.1 | 96.6 | 98.5 | 100.0 | 100.0 |
| | | 150 | 72.9 | 75.6 | 77.6 | 78.5 | 80.2 | 81.1 | 83.7 | 84.3 | 87.4 | 91.1 | 92.4 | 90.9 | 90.1 | 91.3 | 93.7 | 95.4 | 96.6 |
| | | 200 | 73.0 | 76.4 | 77.3 | 79.0 | 80.9 | 82.5 | 84.4 | 84.8 | 87.7 | 90.6 | 91.0 | 90.1 | 88.8 | 83.7 | 83.7 | 83.7 | 83.7 |
| | | 250 | 74.7 | 76.3 | 77.0 | 80.1 | 82.2 | 82.7 | 84.9 | 85.0 | 87.9 | 91.0 | 90.6 | 91.2 | 89.7 | 84.1 | 84.1 | 84.1 | 84.1 |
| | | 315 | 74.3 | 77.0 | 78.7 | 78.6 | 80.6 | 81.9 | 83.8 | 84.9 | 88.5 | 90.5 | 90.5 | 91.6 | 89.1 | 82.2 | 82.2 | 82.2 | 82.2 |
| | | 400 | 73.5 | 76.4 | 77.7 | 79.4 | 81.3 | 81.8 | 83.9 | 85.1 | 87.6 | 90.5 | 90.6 | 92.2 | 89.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| | | 500 | 72.1 | 76.3 | 76.8 | 78.2 | 80.4 | 81.8 | 83.5 | 84.7 | 88.3 | 90.0 | 90.4 | 91.1 | 86.9 | 77.2 | 77.2 | 77.2 | 77.2 |
| | | 630 | 73.3 | 79.5 | 76.9 | 78.8 | 80.4 | 81.4 | 83.3 | 84.6 | 88.2 | 89.4 | 90.7 | 90.8 | 85.1 | 74.6 | 74.6 | 74.6 | 74.6 |
| | | 800 | 70.8 | 79.8 | 82.0 | 82.0 | 82.0 | 81.2 | 82.0 | 83.8 | 87.2 | 88.1 | 89.1 | 88.7 | 82.6 | 71.7 | 71.7 | 71.7 | 71.7 |
| | | 1000 | 66.9 | 74.7 | 79.6 | 83.4 | 85.5 | 82.1 | 81.7 | 83.0 | 85.7 | 86.6 | 87.5 | 86.1 | 80.6 | 69.3 | 69.3 | 69.3 | 69.3 |
| | | 1250 | 64.3 | 71.4 | 75.3 | 79.6 | 83.4 | 83.7 | 81.7 | 82.1 | 84.3 | 85.2 | 85.2 | 83.4 | 77.7 | 65.4 | 65.4 | 65.4 | 65.4 |
| | | 1600 | 59.9 | 69.4 | 73.7 | 75.6 | 79.2 | 80.2 | 81.7 | 81.3 | 82.3 | 82.9 | 82.7 | 80.4 | 74.1 | 60.9 | 60.9 | 60.9 | 60.9 |
| | | 2000 | 55.6 | 65.1 | 70.2 | 73.4 | 76.9 | 76.7 | 78.9 | 76.3 | 79.6 | 79.6 | 79.6 | 76.5 | 70.1 | 54.2 | 54.2 | 54.2 | 54.2 |
| | | 2500 | 48.8 | 59.8 | 64.9 | 69.2 | 72.8 | 73.4 | 74.7 | 74.8 | 76.5 | 75.2 | 75.6 | 71.4 | 63.8 | 46.0 | 46.0 | 46.0 | 46.0 |
| | | 3150 | 40.0 | 53.3 | 59.6 | 64.5 | 67.4 | 68.9 | 70.2 | 70.1 | 71.3 | 69.7 | 69.6 | 64.5 | 59.3 | 34.6 | 34.6 | 34.6 | 34.6 |
| | | 4000 | 26.7 | 42.5 | 50.2 | 55.7 | 59.4 | 61.3 | 63.0 | 63.1 | 63.9 | 62.0 | 61.5 | 54.9 | 43.6 | 16.8 | 16.8 | 16.8 | 16.8 |
| | | 5000 | 19.1 | 35.7 | 44.9 | 50.5 | 54.5 | 56.0 | 57.2 | 57.9 | 59.0 | 56.6 | 55.0 | 47.5 | 35.3 | 6.5 | 6.5 | 6.5 | 6.5 |
| | | 6300 | | 20.5 | 31.0 | 38.0 | 42.4 | 44.7 | 46.5 | 46.9 | 47.0 | 44.6 | 42.6 | 33.8 | 16.5 | | | | |
| | | 8000 | | | 11.0 | 20.8 | 26.1 | 28.7 | 30.8 | 32.8 | 32.1 | 29.3 | 24.2 | 12.9 | | | | | |
| | | 10000 | | | | | 4.0 | 8.6 | 10.3 | 15.1 | 11.2 | 9.7 | | | | | | | |
| | | OVERALL CALCULATED | 64.2 | 88.0 | 89.9 | 91.2 | 93.2 | 93.4 | 95.0 | 95.7 | 98.8 | 101.3 | 102.1 | 103.0 | 101.8 | 95.8 | | | |
| | | PNDS | 67.7 | 93.4 | 96.0 | 97.9 | 100.2 | 100.7 | 102.2 | 102.2 | 104.7 | 106.5 | 106.9 | 107.0 | 104.0 | 95.9 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 0° | 0° | 0° |
| REV, ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.03) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (0.0) | (0.0) | (0.0) |
| NO EGA | 53 | 87,7 | 85,0 | 91,1 | 87,4 | 88,4 | 88,7 | 90,8 | 92,1 | 85,3 | 99,3 | 101,0 | 107,3 | 110,2 | 97,4 | | | 139,3 | | |
| RCG, NO. C. | 63 | 91,1 | 89,8 | 90,3 | 88,8 | 89,2 | 89,9 | 91,5 | 93,5 | 86,2 | 98,4 | 101,7 | 109,1 | 110,8 | 97,1 | | | 160,2 | | |
| RADIAL 320, FT. | 83 | 91,1 | 90,5 | 91,0 | 89,5 | 90,5 | 90,0 | 92,9 | 94,4 | 87,7 | 100,0 | 105,0 | 110,1 | 112,4 | 98,8 | | | 151,7 | | |
| (98. 4) | 100 | 91,2 | 89,9 | 91,7 | 90,5 | 91,3 | 91,3 | 93,2 | 95,4 | 87,5 | 101,3 | 104,5 | 107,3 | 109,0 | 101,7 | | | 159,7 | | |
| VEHICLE JENOTS | 125 | 91,6 | 89,4 | 90,5 | 90,4 | 91,0 | 92,2 | 94,4 | 95,6 | 88,4 | 102,3 | 104,5 | 105,7 | 106,6 | 95,9 | | | 158,7 | | |
| CONFIG JE*055 | 150 | 89,5 | 89,9 | 90,4 | 90,5 | 91,5 | 92,2 | 94,7 | 95,4 | 87,9 | 101,9 | 104,6 | 106,2 | 103,7 | 91,9 | | | 158,2 | | |
| LOC EYENDALE | 250 | 87,8 | 89,7 | 89,9 | 90,2 | 91,3 | 92,2 | 94,3 | 95,7 | 88,1 | 100,5 | 103,3 | 103,0 | 101,4 | 89,2 | | | 156,5 | | |
| DATE 04-16-75 | 350 | 83,8 | 88,3 | 88,3 | 90,9 | 92,0 | 92,6 | 93,0 | 94,8 | 87,5 | 99,6 | 102,4 | 102,5 | 99,9 | 87,0 | | | 155,8 | | |
| RUN DETF-MODEL 7 | 400 | 86,4 | 88,0 | 88,1 | 88,8 | 90,2 | 90,7 | 92,1 | 93,7 | 86,1 | 98,9 | 99,0 | 98,9 | 96,9 | 84,2 | | | 153,5 | | |
| TAPE X70210 | 500 | 84,3 | 86,5 | 86,8 | 87,7 | 89,2 | 89,9 | 91,5 | 93,1 | 85,7 | 97,8 | 97,7 | 96,7 | 94,7 | 81,4 | | | 152,2 | | |
| BAR 29.9 HG | 630 | 83,6 | 84,6 | 86,0 | 86,5 | 87,9 | 88,0 | 90,9 | 92,9 | 85,7 | 97,4 | 97,3 | 96,5 | 94,1 | 81,2 | | | 151,8 | | |
| (01039, 1742) | 800 | 83,2 | 85,0 | 85,7 | 86,8 | 87,9 | 88,9 | 90,1 | 91,9 | 84,3 | 96,2 | 96,1 | 95,4 | 94,1 | 81,3 | | | 151,0 | | |
| TAMB 59, DEG F | 1000 | 81,9 | 84,2 | 85,2 | 85,7 | 87,4 | 88,3 | 88,9 | 90,4 | 82,9 | 94,6 | 94,6 | 94,4 | 93,3 | 81,3 | | | 149,9 | | |
| (288, DEG K) | 1250 | 81,4 | 83,4 | 84,1 | 85,7 | 86,6 | 86,8 | 87,9 | 89,7 | 81,8 | 93,3 | 93,6 | 92,4 | 92,1 | 81,0 | | | 148,8 | | |
| TWET 53, DEG F | 1600 | 79,2 | 82,7 | 83,1 | 83,5 | 85,4 | 85,7 | 86,7 | 87,8 | 80,5 | 91,9 | 91,5 | 91,8 | 90,7 | 78,6 | | | 147,6 | | |
| (255, DEG K) | 2000 | 77,3 | 79,3 | 80,8 | 81,6 | 83,6 | 84,3 | 85,4 | 86,4 | 79,0 | 89,6 | 90,3 | 89,3 | 88,3 | 77,4 | | | 145,9 | | |
| HACT 8,91 GH/H3 | 2500 | 75,2 | 78,0 | 78,9 | 79,5 | 80,8 | 81,2 | 82,8 | 84,1 | 76,7 | 87,2 | 88,4 | 86,6 | 86,4 | 76,0 | | | 143,9 | | |
| (100891 KG/H3) | 3150 | 72,9 | 76,6 | 77,4 | 77,7 | 78,7 | 79,5 | 80,4 | 81,4 | 74,4 | 84,9 | 85,6 | 84,3 | 84,1 | 74,1 | | | 142,0 | | |
| FREQ. SHIFT | 4000 | 70,0 | 74,3 | 74,4 | 75,1 | 75,7 | 77,0 | 77,8 | 79,2 | 70,9 | 82,3 | 83,2 | 81,8 | 82,9 | 72,0 | | | 140,4 | | |
| JET 9 | 5000 | 68,1 | 71,8 | 72,8 | 73,6 | 73,4 | 72,9 | 74,1 | 75,8 | 68,1 | 79,7 | 80,4 | 78,6 | 81,0 | 71,0 | | | 138,0 | | |
| DIAMETER RATIO | 6300 | 67,0 | 70,5 | 71,5 | 71,5 | 70,9 | 71,0 | 71,8 | 73,2 | 65,5 | 74,1 | 78,4 | 76,8 | 81,4 | 71,5 | | | 138,0 | | |
| DF/DH 8.00 | 8000 | 67,4 | 70,4 | 70,8 | 71,5 | 70,8 | 69,8 | 70,3 | 72,6 | 65,3 | 70,2 | 76,8 | 76,5 | 83,2 | 73,0 | | | 140,2 | | |
| OVERALL CALCULATED | 10000 | 66,6 | 66,7 | 67,0 | 67,7 | 68,2 | 67,3 | 67,6 | 70,3 | 65,7 | 72,2 | 77,3 | 78,1 | 85,6 | 75,5 | | | 144,1 | | |
| PNRB | | 100,2 | 100,1 | 101,1 | 100,8 | 101,9 | 102,5 | 104,3 | 105,8 | 98,5 | 111,2 | 113,5 | 116,5 | 117,8 | 106,1 | | | 109,0 | | |
| | | 105,1 | 106,5 | 107,3 | 107,6 | 108,9 | 109,5 | 110,9 | 112,3 | 104,8 | 117,1 | 118,2 | 119,8 | 119,4 | 108,8 | | | 170,3 | | |

☆

971

☆ 10 dB Too Low

ORIGINAL PAGE IS
 OF POOR QUALITY

725

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F., 70 PERCENT REL. HUM., DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|
| | | 37. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| REV. ALPHA 42773 FREQ. | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EQA | | 50 | 63.8 | 63.4 | 71.0 | 68.5 | 70.2 | 70.9 | 73.2 | 74.3 | 67.1 | 85.4 | 81.0 | 85.7 | 86.4 | 70.1 | | | |
| SIDELINE 2430. FT. | | 63 | 67.1 | 68.2 | 70.2 | 69.5 | 71.0 | 72.0 | 73.8 | 75.6 | 67.9 | 79.5 | 81.6 | 87.5 | 86.9 | 69.6 | | | |
| {731.52 M} | | 80 | 67.0 | 68.7 | 70.8 | 70.4 | 72.2 | 72.1 | 75.1 | 76.5 | 69.4 | 80.9 | 84.8 | 88.3 | 88.4 | 71.2 | | | |
| NFA 0. RPM | | 100 | 67.1 | 68.1 | 71.5 | 71.4 | 72.9 | 73.3 | 75.4 | 77.4 | 69.2 | 82.1 | 84.2 | 85.4 | 84.8 | 73.9 | | | |
| { 0. RAD/SEC} | | 125 | 67.2 | 67.4 | 70.2 | 71.2 | 72.6 | 74.2 | 76.5 | 77.6 | 69.9 | 83.1 | 84.1 | 83.7 | 82.3 | 67.9 | | | |
| NFK 0. RPM | | 160 | 64.9 | 67.8 | 69.9 | 71.2 | 72.9 | 74.1 | 76.7 | 77.3 | 69.4 | 82.6 | 84.1 | 84.1 | 79.1 | 63.6 | | | |
| { 0. RAD/SEC} | | 210 | 63.0 | 67.4 | 69.3 | 70.8 | 72.6 | 74.0 | 76.2 | 77.5 | 69.4 | 81.0 | 82.7 | 80.6 | 76.6 | 60.5 | | | |
| NFD 0. RPM | | 250 | 63.7 | 65.8 | 67.5 | 71.3 | 73.1 | 74.2 | 74.8 | 76.4 | 68.6 | 80.0 | 81.6 | 79.9 | 74.7 | 57.8 | | | |
| { 0. RAD/SEC} | | 315 | 62.3 | 65.9 | 68.4 | 69.6 | 73.6 | 72.6 | 74.3 | 75.8 | 68.3 | 79.5 | 79.2 | 77.3 | 71.9 | 54.7 | | | |
| AIRFLOW RATIO | | 400 | 60.3 | 64.7 | 66.6 | 68.6 | 70.8 | 71.8 | 73.4 | 74.8 | 66.8 | 78.8 | 77.5 | 75.6 | 70.8 | 53.5 | | | |
| { 0. RAD/SEC} | | 500 | 57.5 | 62.7 | 65.0 | 67.1 | 69.6 | 70.8 | 72.5 | 73.9 | 66.0 | 77.2 | 75.8 | 72.8 | 67.9 | 49.7 | | | |
| WF/WH 8.00 | | 630 | 56.0 | 60.2 | 63.6 | 65.5 | 67.8 | 69.4 | 71.5 | 73.3 | 65.6 | 76.4 | 74.9 | 72.0 | 66.5 | 48.3 | | | |
| | | 800 | 54.5 | 59.7 | 62.6 | 65.2 | 67.2 | 68.8 | 70.2 | 71.8 | 63.6 | 74.5 | 73.0 | 70.1 | 65.3 | 46.7 | | | |
| VEHICLE JENOTS | | 1000 | 51.8 | 57.8 | 61.3 | 63.3 | 66.1 | 67.5 | 68.3 | 69.6 | 61.6 | 72.2 | 70.6 | 68.0 | 63.2 | 44.6 | | | |
| CONFIG JE*055 | | 1250 | 49.6 | 55.7 | 59.1 | 62.4 | 64.5 | 65.3 | 66.6 | 68.2 | 59.7 | 70.1 | 68.6 | 64.8 | 60.3 | 41.8 | | | |
| LOC EVENDALE | | 1610 | 45.0 | 53.2 | 56.5 | 58.9 | 62.1 | 63.0 | 64.3 | 65.1 | 57.1 | 67.3 | 65.0 | 62.3 | 56.4 | 36.0 | | | |
| DATE 04-16-75 | | 2000 | 40.2 | 47.9 | 52.5 | 55.4 | 58.7 | 60.3 | 61.6 | 62.4 | 54.1 | 63.4 | 61.9 | 57.6 | 51.2 | 30.3 | | | |
| RUN DBTF-MODPL 7 | | 2500 | 33.9 | 43.1 | 47.9 | 51.0 | 53.8 | 55.2 | 57.1 | 58.1 | 49.8 | 58.7 | 57.4 | 51.7 | 45.1 | 22.6 | | | |
| TAPE X70210 | | 3150 | 24.8 | 36.6 | 42.1 | 45.5 | 48.4 | 50.2 | 51.5 | 52.2 | 44.1 | 52.8 | 50.4 | 44.3 | 36.1 | 10.6 | | | |
| FAN TIP SPEED | | 4000 | 11.9 | 26.6 | 32.8 | 37.4 | 40.4 | 43.0 | 44.2 | 45.2 | 35.6 | 44.6 | 41.7 | 34.1 | 24.7 | | | | |
| FT/SEC | | 5000 | 4.1 | 19.6 | 27.5 | 32.7 | 35.1 | 36.2 | 37.8 | 39.0 | 29.9 | 38.8 | 35.2 | 26.4 | 17.0 | | | | |
| | | 6300 | | 5.2 | 15.5 | 21.2 | 24.1 | 26.1 | 27.5 | 28.3 | 18.7 | 26.8 | 22.3 | 11.5 | 0.2 | | | | |
| | | 8000 | | | | 6.8 | 10.8 | 12.4 | 13.8 | 15.2 | 5.4 | 15.5 | 4.2 | | | | | | |
| OVERALL CALCULATED | | 15000 | 75.4 | 77.4 | 80.2 | 80.9 | 82.8 | 83.9 | 85.8 | 87.2 | 79.4 | 91.5 | 92.9 | 94.5 | 93.6 | 78.3 | | | |
| PNDB | | | 75.2 | 79.4 | 82.3 | 84.3 | 86.5 | 87.8 | 89.4 | 90.8 | 82.5 | 94.4 | 94.7 | 93.9 | 91.7 | 75.1 | | | |

972



★ 10 dB TOO LOW

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHLI | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 0° | 90° | 180° |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) |
| | | 50 | 90.4 | 86.2 | 84.8 | 80.4 | 82.4 | 92.0 | 94.3 | 95.1 | 98.3 | 102.6 | 104.3 | 111.0 | 113.5 | 111.1 | | | | 163.4 |
| | NO EGA | 63 | 94.3 | 93.6 | 93.6 | 91.8 | 93.7 | 94.1 | 96.0 | 97.2 | 100.4 | 103.4 | 106.5 | 113.9 | 115.6 | 111.8 | | | | 165.5 |
| | REG. NO. 0 | 85 | 95.3 | 94.7 | 95.0 | 93.5 | 94.7 | 94.3 | 96.4 | 97.6 | 101.4 | 104.5 | 109.0 | 114.6 | 115.9 | 113.6 | | | | 166.4 |
| | RADIAL 320. FT. | 100 | 94.2 | 94.2 | 94.9 | 94.5 | 96.0 | 95.3 | 97.7 | 99.4 | 102.0 | 106.0 | 109.0 | 111.8 | 113.2 | 115.2 | | | | 165.4 |
| | (98. 4) | 125 | 96.3 | 94.1 | 95.0 | 94.9 | 95.5 | 96.2 | 98.9 | 99.8 | 103.4 | 107.3 | 108.7 | 110.7 | 111.3 | 111.4 | | | | 164.2 |
| | VEHICLE JENOTS | 160 | 94.7 | 95.2 | 95.1 | 95.0 | 96.2 | 96.9 | 99.4 | 100.2 | 103.2 | 106.6 | 109.8 | 111.2 | 109.9 | 109.4 | | | | 164.1 |
| | CONFIG JENOTS | 250 | 94.6 | 95.0 | 94.7 | 95.3 | 96.6 | 98.0 | 99.5 | 100.2 | 103.6 | 106.3 | 108.6 | 109.0 | 109.4 | 108.2 | | | | 163.1 |
| | LOC EVENDALE | 250 | 95.4 | 95.1 | 94.3 | 96.2 | 97.2 | 98.1 | 99.1 | 101.0 | 103.0 | 106.7 | 107.7 | 109.9 | 109.9 | 108.6 | | | | 163.4 |
| | DATE 04-16-75 | 315 | 95.1 | 95.3 | 95.8 | 94.8 | 96.1 | 97.0 | 99.0 | 100.5 | 103.6 | 106.4 | 106.8 | 108.5 | 109.0 | 107.8 | | | | 162.7 |
| | RUN DB7F-MODEL 7 | 400 | 94.9 | 95.5 | 95.4 | 95.5 | 96.7 | 96.7 | 98.4 | 100.0 | 103.1 | 106.2 | 107.0 | 109.0 | 109.4 | 108.7 | | | | 162.9 |
| | TAPE X70230 | 500 | 93.6 | 94.3 | 94.1 | 94.5 | 96.0 | 96.5 | 98.0 | 100.1 | 103.2 | 106.1 | 106.2 | 107.7 | 109.0 | 108.2 | | | | 162.4 |
| | JAR 29.9 HQ | 630 | 93.7 | 93.9 | 93.3 | 94.0 | 95.5 | 96.5 | 98.2 | 100.4 | 103.5 | 106.2 | 106.4 | 108.3 | 109.7 | 107.5 | | | | 162.7 |
| | (J1039, N/M2) | 800 | 93.6 | 94.6 | 93.6 | 94.7 | 95.9 | 96.5 | 97.7 | 99.4 | 103.1 | 105.0 | 105.7 | 108.5 | 109.4 | 106.4 | | | | 162.3 |
| | TAMB 59. DEG F | 1000 | 94.5 | 95.8 | 95.1 | 95.0 | 96.0 | 96.4 | 97.5 | 99.2 | 102.0 | 104.4 | 104.7 | 108.0 | 108.2 | 106.4 | | | | 161.8 |
| | (288, DEG K) | 1250 | 93.3 | 96.0 | 96.5 | 96.1 | 96.5 | 95.4 | 96.6 | 99.1 | 101.7 | 103.5 | 104.2 | 107.1 | 107.3 | 105.1 | | | | 161.2 |
| | TJET 53. DEG F | 1600 | 91.1 | 93.9 | 94.5 | 95.2 | 97.1 | 95.8 | 96.1 | 97.5 | 100.4 | 102.5 | 102.9 | 105.6 | 105.8 | 103.7 | | | | 160.2 |
| | (285, DEG K) | 2000 | 89.0 | 91.8 | 92.0 | 92.3 | 95.5 | 94.5 | 95.6 | 96.4 | 99.1 | 101.3 | 101.9 | 104.0 | 104.0 | 102.1 | | | | 158.9 |
| | HACT 8.91 GM/M3 | 2500 | 86.9 | 90.2 | 90.6 | 91.7 | 92.7 | 92.1 | 93.5 | 94.5 | 97.4 | 98.9 | 100.1 | 101.6 | 101.6 | 99.9 | | | | 157.1 |
| | (.00891 KG/M3) | 3150 | 84.8 | 88.5 | 89.0 | 90.7 | 91.4 | 90.7 | 91.6 | 92.6 | 95.1 | 96.6 | 97.8 | 99.5 | 100.3 | 97.5 | | | | 155.6 |
| | FREQ. SHIFT | 4000 | 81.1 | 84.9 | 86.5 | 87.7 | 89.2 | 89.6 | 89.4 | 90.0 | 91.9 | 94.7 | 95.3 | 97.2 | 98.0 | 94.9 | | | | 153.9 |
| | JET 9 | 5000 | 79.1 | 82.6 | 84.1 | 85.4 | 86.2 | 86.5 | 86.7 | 87.1 | 89.2 | 91.3 | 92.7 | 93.9 | 95.6 | 93.1 | | | | 151.6 |
| | DIAMETER RATIO | 6300 | 76.6 | 79.8 | 81.0 | 82.1 | 82.7 | 83.5 | 83.8 | 84.5 | 86.3 | 89.4 | 90.4 | 91.6 | 93.5 | 90.6 | | | | 150.4 |
| | DF/DM 8.00 | 8000 | 75.0 | 77.2 | 77.8 | 79.3 | 79.8 | 80.3 | 80.3 | 81.9 | 83.1 | 89.5 | 88.8 | 90.0 | 91.7 | 89.3 | | | | 150.6 |
| | | 10000 | 75.4 | 75.0 | 75.5 | 76.8 | 77.8 | 77.9 | 77.9 | 80.6 | 79.8 | 91.3 | 88.6 | 89.6 | 90.8 | 88.3 | | | | 153.0 |
| | OVERALL CALCULATED | | 106.5 | 107.0 | 107.2 | 107.2 | 108.5 | 108.7 | 110.3 | 111.8 | 114.9 | 117.8 | 119.4 | 122.5 | 123.5 | 122.2 | | | | 175.8 |
| | PNDB | | 114.1 | 116.3 | 116.4 | 117.0 | 118.5 | 118.2 | 119.4 | 120.6 | 123.4 | 126.0 | 126.9 | 129.2 | 129.7 | 127.9 | | | | 177.1 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
| REV. ALPHA 12773 FREQ. | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) |
| NC EQA | | 50 | 66.6 | 66.6 | 74.8 | 71.5 | 74.2 | 74.2 | 76.7 | 77.3 | 80.1 | 83.6 | 84.2 | 89.4 | 89.6 | 83.9 | |
| SIDELINE 2400. FT. | | 80 | 71.4 | 71.9 | 73.5 | 72.8 | 75.5 | 76.3 | 78.3 | 79.4 | 82.2 | 84.5 | 86.4 | 92.2 | 91.6 | 84.4 | |
| (731.52 M) | | 100 | 70.0 | 72.3 | 74.7 | 75.4 | 77.6 | 77.3 | 79.9 | 81.4 | 83.7 | 86.9 | 88.7 | 89.9 | 89.0 | 87.4 | |
| NFA | | 125 | 72.0 | 72.2 | 74.7 | 75.7 | 77.1 | 78.2 | 81.0 | 81.8 | 84.9 | 88.1 | 88.4 | 88.7 | 87.0 | 83.4 | |
| (C. RAD/SEC) | | 150 | 70.2 | 73.1 | 74.6 | 75.7 | 77.7 | 78.8 | 81.4 | 82.1 | 84.6 | 87.3 | 89.4 | 89.1 | 85.4 | 81.1 | |
| NFK | | 200 | 69.8 | 72.7 | 74.0 | 75.8 | 77.9 | 79.8 | 81.4 | 82.0 | 84.9 | 86.8 | 88.0 | 86.6 | 84.6 | 79.5 | |
| (O. PAD/SEC) | | 250 | 70.2 | 72.5 | 73.5 | 76.6 | 78.4 | 79.7 | 80.8 | 82.6 | 84.9 | 87.0 | 86.9 | 87.3 | 84.7 | 79.3 | |
| NFD | | 315 | 69.5 | 72.5 | 74.7 | 74.9 | 77.1 | 78.4 | 80.8 | 81.9 | 84.5 | 86.5 | 85.7 | 85.6 | 83.4 | 77.9 | |
| (C. RAD/SEC) | | 400 | 68.2 | 72.2 | 73.9 | 75.4 | 77.3 | 77.8 | 79.7 | 81.1 | 83.8 | 86.0 | 85.6 | 85.7 | 83.3 | 78.0 | |
| AIRFLOW RATIO | | 500 | 66.8 | 70.5 | 72.3 | 73.9 | 76.4 | 77.3 | 79.0 | 80.9 | 83.5 | 85.5 | 84.4 | 83.9 | 82.2 | 76.5 | |
| WF/WB 8.00 | | 630 | 66.0 | 69.5 | 70.9 | 73.0 | 75.4 | 76.4 | 78.8 | 80.9 | 83.4 | 85.2 | 84.0 | 83.8 | 82.1 | 74.6 | |
| | | 800 | 64.6 | 69.3 | 70.5 | 73.0 | 75.3 | 76.4 | 77.8 | 79.3 | 82.4 | 83.4 | 82.6 | 83.2 | 80.6 | 71.7 | |
| VEHICLE JENOTS | | 1000 | 64.4 | 69.4 | 71.1 | 72.7 | 74.7 | 75.6 | 76.4 | 78.5 | 80.7 | 82.1 | 80.7 | 81.6 | 78.0 | 69.7 | |
| CCAFIG J2-655 | | 1250 | 61.5 | 68.4 | 71.5 | 72.8 | 74.4 | 73.9 | 75.2 | 77.6 | 79.5 | 80.2 | 79.2 | 79.4 | 75.5 | 65.9 | |
| LCC EVERDALE | | 1600 | 56.9 | 64.4 | 68.0 | 70.6 | 73.7 | 73.2 | 73.7 | 74.8 | 77.0 | 77.9 | 76.4 | 76.1 | 71.6 | 60.9 | |
| DATE 04-16-75 | | 2000 | 51.8 | 60.1 | 63.7 | 66.1 | 70.7 | 70.4 | 71.8 | 72.3 | 74.3 | 75.1 | 73.6 | 72.3 | 68.9 | 55.0 | |
| RLN DBTF-MODEL 7 | | 2500 | 45.6 | 55.3 | 59.6 | 63.2 | 65.8 | 66.1 | 67.7 | 68.5 | 70.5 | 70.4 | 69.1 | 66.7 | 60.3 | 46.5 | |
| TAPE X70230 | | 3150 | 36.6 | 48.5 | 53.8 | 58.5 | 61.1 | 61.4 | 62.7 | 63.3 | 64.8 | 64.5 | 62.6 | 59.5 | 52.3 | 34.1 | |
| FAN TIP SPEED | | 4000 | 23.0 | 37.2 | 44.9 | 50.0 | 53.9 | 55.0 | 55.8 | 56.1 | 56.6 | 57.0 | 53.8 | 49.4 | 39.8 | 16.3 | |
| FT/SEC | | 5000 | 15.1 | 30.4 | 38.9 | 44.3 | 48.0 | 49.7 | 50.4 | 50.4 | 51.0 | 50.4 | 47.5 | 41.7 | 31.6 | 5.8 | |
| | | 6300 | | 14.5 | 25.0 | 31.8 | 35.9 | 38.7 | 39.5 | 39.6 | 39.5 | 39.1 | 34.4 | 26.3 | 12.3 | | |
| | | 8000 | | | 5.2 | 14.5 | 19.9 | 23.0 | 23.8 | 24.5 | 23.1 | 24.8 | 16.2 | 4.6 | | | |
| OVERALL BALCALCULATED | | 10000 | | | | | | 3.1 | 4.3 | 5.9 | 1.5 | 6.4 | | | | | |
| PNDB | | | 80.7 | 83.3 | 85.4 | 86.4 | 88.6 | 89.4 | 91.3 | 92.6 | 93.3 | 97.5 | 98.2 | 99.9 | 88.5 | 93.4 | |
| | | | 83.4 | 87.5 | 90.0 | 92.0 | 94.7 | 95.0 | 96.5 | 97.8 | 100.3 | 102.2 | 101.8 | 102.1 | 99.5 | 94.0 | |

974

Low vel.
Correction

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|------|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) |
| | | 50 | 95.2 | 92.7 | 90.8 | 89.7 | 89.9 | 90.7 | 91.1 | 91.6 | 92.1 | 92.6 | 93.1 | 93.6 | 94.1 | 94.6 | 95.1 | 95.6 | 96.1 | 96.6 |
| | | 63 | 95.3 | 98.1 | 93.1 | 96.0 | 97.7 | 97.9 | 98.2 | 98.5 | 98.8 | 99.1 | 99.4 | 99.7 | 100.0 | 100.3 | 100.6 | 100.9 | 101.2 | 101.5 |
| | | 80 | 99.6 | 99.2 | 93.7 | 97.0 | 98.2 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 | 100.2 | 100.4 | 100.6 | 100.8 | 101.0 |
| | | 100 | 100.0 | 99.4 | 93.9 | 99.0 | 100.3 | 99.8 | 100.4 | 101.4 | 103.1 | 106.5 | 111.3 | 113.7 | 117.3 | 119.2 | 121.7 | 122.1 | 122.5 | 122.9 |
| | | 125 | 101.3 | 99.1 | 100.0 | 99.1 | 99.8 | 100.9 | 102.4 | 103.8 | 106.9 | 112.6 | 114.0 | 115.7 | 117.1 | 118.4 | 119.7 | 120.9 | 122.1 | 123.3 |
| | | 160 | 100.0 | 100.4 | 103.6 | 99.8 | 101.2 | 101.7 | 103.7 | 104.4 | 107.7 | 112.6 | 114.6 | 116.2 | 118.4 | 119.4 | 120.4 | 121.4 | 122.4 | 123.4 |
| | | 200 | 100.1 | 101.0 | 100.2 | 100.5 | 101.6 | 102.2 | 104.3 | 105.0 | 108.1 | 112.3 | 113.6 | 115.5 | 117.4 | 118.0 | 119.0 | 120.0 | 121.0 | 122.0 |
| | | 250 | 101.9 | 100.6 | 100.1 | 102.2 | 103.0 | 102.9 | 103.8 | 105.4 | 109.0 | 112.4 | 113.7 | 116.8 | 117.6 | 118.8 | 119.8 | 120.8 | 121.8 | 122.8 |
| | | 315 | 101.6 | 101.5 | 101.3 | 100.0 | 101.4 | 102.5 | 104.5 | 105.7 | 109.7 | 112.1 | 113.3 | 117.5 | 117.5 | 118.5 | 119.5 | 120.5 | 121.5 | 122.5 |
| | | 400 | 101.9 | 101.5 | 100.9 | 101.0 | 102.2 | 102.7 | 104.1 | 105.5 | 109.4 | 113.0 | 114.8 | 118.7 | 118.9 | 119.7 | 120.7 | 121.7 | 122.7 | 123.7 |
| | | 500 | 103.1 | 101.1 | 100.4 | 100.0 | 101.8 | 102.0 | 104.0 | 103.6 | 110.0 | 112.0 | 114.5 | 117.0 | 114.2 | 108.7 | 107.5 | 106.4 | 105.3 | 104.2 |
| | | 630 | 100.7 | 103.4 | 101.8 | 100.5 | 101.5 | 102.5 | 104.7 | 105.9 | 110.7 | 113.2 | 115.1 | 116.5 | 113.2 | 107.1 | 106.1 | 105.1 | 104.1 | 103.1 |
| | | 800 | 98.8 | 102.6 | 103.6 | 103.7 | 103.4 | 102.5 | 104.0 | 105.4 | 109.6 | 112.5 | 114.7 | 115.2 | 112.1 | 106.1 | 105.1 | 104.1 | 103.1 | 102.1 |
| | | 1000 | 97.3 | 100.3 | 101.6 | 103.5 | 105.5 | 103.9 | 103.8 | 105.5 | 108.8 | 111.7 | 113.2 | 113.7 | 110.7 | 105.2 | 104.2 | 103.2 | 102.2 | 101.2 |
| | | 1250 | 96.8 | 99.5 | 100.3 | 101.8 | 104.0 | 104.4 | 104.3 | 105.1 | 108.5 | 111.5 | 112.2 | 112.8 | 110.3 | 104.9 | 103.9 | 102.9 | 101.9 | 100.9 |
| | | 1600 | 95.3 | 99.1 | 100.2 | 100.2 | 102.1 | 102.8 | 104.4 | 104.5 | 106.4 | 108.8 | 110.7 | 111.1 | 109.1 | 103.6 | 102.6 | 101.6 | 100.6 | 99.6 |
| | | 2000 | 93.2 | 97.0 | 98.8 | 99.6 | 101.2 | 101.0 | 102.9 | 103.1 | 105.9 | 107.3 | 109.7 | 110.2 | 107.7 | 101.7 | 100.7 | 99.7 | 98.7 | 97.7 |
| | | 2500 | 90.4 | 94.7 | 96.6 | 97.9 | 99.7 | 99.4 | 102.3 | 101.5 | 104.4 | 105.4 | 108.3 | 108.1 | 105.9 | 99.7 | 98.7 | 97.7 | 96.7 | 95.7 |
| | | 3150 | 88.3 | 93.3 | 94.8 | 96.2 | 97.7 | 98.4 | 99.6 | 100.1 | 102.3 | 104.5 | 106.1 | 106.7 | 104.3 | 98.3 | 97.3 | 96.3 | 95.3 | 94.3 |
| | | 4000 | 85.4 | 90.4 | 92.0 | 93.4 | 94.5 | 95.8 | 96.6 | 97.8 | 99.9 | 101.9 | 104.6 | 104.2 | 102.2 | 95.4 | 94.4 | 93.4 | 92.4 | 91.4 |
| | | 5000 | 83.4 | 88.3 | 89.6 | 91.1 | 91.7 | 93.0 | 94.0 | 95.1 | 98.0 | 99.3 | 102.2 | 101.6 | 100.6 | 94.1 | 93.1 | 92.1 | 91.1 | 90.1 |
| | | 6300 | 80.8 | 85.8 | 86.5 | 88.1 | 88.9 | 89.8 | 91.3 | 92.0 | 95.0 | 97.2 | 100.1 | 99.0 | 97.7 | 91.6 | 90.6 | 89.6 | 88.6 | 87.6 |
| | | 8000 | 78.5 | 82.2 | 84.3 | 85.8 | 85.6 | 86.3 | 88.6 | 90.9 | 92.8 | 95.5 | 99.1 | 99.0 | 97.7 | 91.6 | 90.6 | 89.6 | 88.6 | 87.6 |
| | | 10000 | 76.9 | 78.7 | 80.5 | 81.8 | 81.8 | 83.4 | 87.7 | 89.9 | 90.3 | 95.5 | 97.8 | 99.6 | 98.1 | 91.6 | 90.6 | 89.6 | 88.6 | 87.6 |
| | | OVERALL CALCULATED | 112.0 | 112.8 | 113.0 | 113.1 | 114.4 | 114.5 | 119.9 | 117.1 | 120.6 | 123.9 | 125.8 | 128.7 | 129.3 | 126.8 | 121.8 | 120.8 | 119.8 | 118.8 |
| | | PNDP | 119.1 | 121.4 | 122.4 | 123.0 | 124.4 | 124.6 | 126.0 | 127.0 | 130.0 | 132.4 | 134.6 | 136.1 | 135.0 | 130.6 | 125.6 | 124.6 | 123.6 | 122.6 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| REV: ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|--------------------|-------|--|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° |
| NC EGA | 50 | 71.3 | 71.1 | 77.8 | 75.7 | 77.7 | 77.9 | 80.4 | 80.8 | 83.8 | 87.9 | 88.5 | 92.9 | 94.6 | 86.1 | | | |
| SIDELINE 2400 FT | 80 | 75.5 | 77.5 | 78.6 | 77.9 | 79.9 | 80.1 | 82.6 | 83.5 | 87.1 | 89.7 | 94.1 | 96.6 | 97.6 | 94.5 | | | |
| (731.52 M) | 100 | 75.8 | 77.6 | 79.7 | 79.9 | 81.9 | 81.8 | 83.6 | 85.2 | 88.2 | 92.4 | 93.5 | 95.4 | 95.0 | 90.7 | | | |
| NFA 0. RPM | 125 | 77.0 | 77.2 | 79.7 | 80.0 | 81.3 | 82.9 | 84.5 | 85.8 | 88.4 | 93.4 | 93.6 | 93.7 | 94.8 | 87.9 | | | |
| (0. RAD/SEC) | 150 | 75.4 | 78.3 | 80.1 | 80.5 | 82.7 | 83.6 | 85.7 | 86.3 | 88.1 | 93.3 | 94.1 | 94.1 | 93.9 | 86.1 | | | |
| NFK 0. RPM | 200 | 75.3 | 78.7 | 79.5 | 81.0 | 82.9 | 84.0 | 86.2 | 86.8 | 88.4 | 92.8 | 93.0 | 93.1 | 92.6 | 85.2 | | | |
| (0. RAD/SEC) | 250 | 76.7 | 78.0 | 79.2 | 82.6 | 84.2 | 84.5 | 85.6 | 87.0 | 90.2 | 92.8 | 92.9 | 94.2 | 92.5 | 84.6 | | | |
| NFD 0. RPM | 315 | 76.0 | 78.7 | 80.2 | 80.1 | 82.3 | 83.9 | 86.0 | 87.1 | 90.8 | 92.3 | 92.2 | 94.6 | 91.9 | 82.4 | | | |
| (0. RAD/SEC) | 400 | 75.0 | 78.2 | 79.4 | 80.9 | 82.8 | 83.8 | 85.4 | 86.6 | 90.1 | 92.8 | 92.6 | 95.4 | 90.8 | 80.0 | | | |
| AIRFLOW RATIO | 500 | 73.3 | 77.3 | 78.5 | 79.4 | 82.1 | 82.9 | 85.0 | 86.4 | 90.3 | 92.0 | 92.6 | 93.1 | 87.4 | 77.0 | | | |
| WF/WB 8.00 | 600 | 73.0 | 77.3 | 79.4 | 79.5 | 81.4 | 82.9 | 85.3 | 86.4 | 90.7 | 92.2 | 92.7 | 92.1 | 85.6 | 74.6 | | | |
| VEHICLE JENOTS | 800 | 70.0 | 77.3 | 80.5 | 82.0 | 82.8 | 82.4 | 84.0 | 85.3 | 88.9 | 90.9 | 91.6 | 89.9 | 83.4 | 71.5 | | | |
| CCNFIG JE+055 | 1000 | 67.1 | 73.9 | 77.6 | 81.2 | 84.2 | 83.1 | 83.2 | 84.7 | 87.4 | 89.3 | 89.2 | 87.4 | 80.5 | 68.5 | | | |
| LCC EVENDALE | 1250 | 65.0 | 71.9 | 75.3 | 78.3 | 81.9 | 82.9 | 83.0 | 83.6 | 86.3 | 87.2 | 87.2 | 85.2 | 78.5 | 65.7 | | | |
| DATE 04-16-75 | 1600 | 61.1 | 69.6 | 73.7 | 75.6 | 78.7 | 80.2 | 81.9 | 81.8 | 83.0 | 84.2 | 84.1 | 81.6 | 74.9 | 60.7 | | | |
| RUN DBTF-MODEL 7 | 2000 | 56.1 | 65.3 | 70.4 | 73.4 | 76.4 | 76.9 | 79.1 | 79.1 | 81.1 | 81.6 | 81.3 | 78.5 | 70.6 | 54.5 | | | |
| TAPE X70250 | 2500 | 49.1 | 59.8 | 65.6 | 69.4 | 72.9 | 73.4 | 74.5 | 75.5 | 77.5 | 76.9 | 77.3 | 73.2 | 64.6 | 46.2 | | | |
| FAN TIP SPEED | 3150 | 40.3 | 53.3 | 59.6 | 64.0 | 67.4 | 69.2 | 70.7 | 70.8 | 72.6 | 72.5 | 70.9 | 66.7 | 56.3 | 34.8 | | | |
| FT/SEC | 4000 | 27.0 | 42.7 | 50.4 | 55.7 | 59.2 | 61.8 | 63.0 | 63.8 | 64.6 | 64.2 | 63.0 | 56.4 | 44.1 | 16.8 | | | |
| | 5000 | 19.4 | 36.2 | 44.4 | 50.2 | 53.5 | 56.2 | 57.7 | 58.4 | 59.8 | 58.4 | 57.0 | 49.5 | 36.6 | 6.8 | | | |
| | 6300 | | 20.5 | 30.5 | 37.8 | 41.7 | 44.9 | 47.0 | 47.1 | 48.2 | 46.9 | 44.6 | 34.8 | 17.8 | | | | |
| | 8000 | | | 11.7 | 21.0 | 25.6 | 29.0 | 32.0 | 33.5 | 32.9 | 30.8 | 26.5 | 13.6 | | | | | |
| OVERALL CALCULATED | 10000 | 86.3 | 89.1 | 91.0 | 92.0 | 94.1 | 94.8 | 96.5 | 97.5 | 100.7 | 103.5 | 104.2 | 105.7 | 104.5 | 98.7 | | | |
| PND8 | | 89.5 | 93.8 | 96.2 | 97.9 | 100.4 | 101.4 | 103.1 | 103.7 | 106.6 | 108.7 | 108.9 | 109.7 | 105.8 | 97.9 | | | |

FULL SIZE SOUND PRESSURE LEVELS

PROC: DATE - MONTH 4 DAY 29 HR: 20:2

DATA (39' DEG' F, 70 PERCENT REL. HUM, DAY - JENOTS)

ANGLES FROM INLET IN DEGREES, (AND RADIANS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHI |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | PHI |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | |
| | 50 | 68.7 | 76.7 | 78.8 | 79.4 | 80.7 | 81.0 | 83.6 | 84.6 | 77.8 | 90.3 | 90.0 | 96.0 | 99.2 | 98.4 | | | 149.5 |
| NO EGA | 63 | 69.8 | 79.8 | 80.8 | 79.3 | 81.0 | 81.9 | 83.2 | 85.0 | 77.7 | 89.2 | 90.7 | 97.9 | 98.8 | 96.6 | | | 149.5 |
| REG. NO. | 80 | 69.6 | 80.2 | 81.7 | 80.4 | 81.7 | 81.0 | 84.3 | 84.9 | 78.2 | 88.9 | 91.7 | 96.6 | 97.4 | 96.5 | | | 148.9 |
| RADIAL 320, FT. | 100 | 69.0 | 80.2 | 81.4 | 81.5 | 83.6 | 82.3 | 84.5 | 85.9 | 78.3 | 91.0 | 93.2 | 94.8 | 94.0 | 95.8 | | | 148.1 |
| (98, 4) | 125 | 69.1 | 80.4 | 82.0 | 81.4 | 82.0 | 83.2 | 84.9 | 85.8 | 78.9 | 91.3 | 92.5 | 93.2 | 92.3 | 90.7 | | | 147.0 |
| VEHICLE JENOTS | 160 | 69.5 | 80.9 | 82.1 | 81.5 | 82.0 | 82.9 | 84.7 | 85.7 | 78.2 | 90.4 | 93.3 | 94.0 | 91.2 | 87.9 | | | 146.9 |
| CCNF1G JEW055 | 200 | 69.1 | 80.7 | 81.2 | 81.0 | 82.1 | 83.2 | 84.8 | 85.5 | 77.6 | 89.3 | 91.6 | 91.5 | 89.4 | 85.7 | | | 145.5 |
| LCC EVENDALE | 250 | 70.1 | 79.8 | 80.0 | 81.9 | 82.7 | 83.4 | 83.8 | 84.8 | 76.7 | 88.4 | 90.7 | 91.0 | 87.1 | 84.6 | | | 144.8 |
| DATE 04-16-75 | 318 | 68.3 | 81.6 | 81.0 | 80.2 | 81.1 | 81.7 | 83.0 | 84.4 | 76.8 | 88.1 | 88.8 | 89.7 | 85.9 | 82.6 | | | 143.7 |
| RLN DBTF-MODEL 7 | 400 | 67.9 | 80.2 | 79.8 | 80.8 | 80.9 | 81.7 | 82.8 | 83.7 | 75.4 | 87.4 | 88.5 | 88.9 | 86.1 | 83.2 | | | 143.3 |
| TAPE X7C260 | 500 | 65.8 | 78.1 | 77.8 | 78.4 | 80.0 | 80.9 | 81.7 | 82.8 | 74.7 | 86.3 | 86.7 | 86.9 | 84.2 | 81.4 | | | 141.9 |
| BAR 29.9 HG | 630 | 65.1 | 77.1 | 77.7 | 78.0 | 78.9 | 79.5 | 80.4 | 82.2 | 74.7 | 85.4 | 85.8 | 85.5 | 83.1 | 80.5 | | | 141.0 |
| Z01C39, N/M2 | 800 | 64.0 | 76.1 | 76.6 | 77.9 | 78.9 | 79.5 | 79.6 | 80.9 | 73.3 | 83.7 | 84.6 | 84.4 | 81.8 | 80.1 | | | 140.0 |
| TAMB 59, DEG F | 1000 | 62.7 | 75.7 | 76.0 | 76.7 | 78.0 | 78.0 | 78.9 | 79.9 | 71.2 | 82.6 | 83.1 | 82.2 | 80.3 | 79.8 | | | 138.8 |
| (288, DEG K) | 1250 | 61.5 | 74.2 | 75.4 | 76.0 | 77.2 | 76.6 | 77.9 | 78.7 | 70.8 | 81.6 | 81.6 | 81.4 | 79.1 | 78.2 | | | 137.9 |
| THEY 53, DEG F | 1600 | 60.0 | 73.5 | 73.6 | 74.3 | 75.7 | 75.4 | 76.8 | 77.9 | 69.8 | 80.4 | 80.0 | 79.5 | 77.7 | 76.6 | | | 136.6 |
| (285, DEG K) | 2000 | 57.5 | 71.6 | 72.1 | 72.1 | 74.6 | 73.8 | 75.7 | 76.2 | 68.0 | 78.4 | 79.0 | 77.8 | 76.6 | 74.9 | | | 135.3 |
| FACT 8.91 GM/H3 | 2500 | 54.9 | 69.0 | 69.7 | 70.0 | 71.3 | 71.5 | 73.1 | 74.1 | 66.2 | 76.7 | 77.1 | 76.4 | 74.9 | 73.5 | | | 133.6 |
| (0.891 KG/H3) | 3155 | 53.1 | 68.1 | 67.8 | 68.5 | 69.2 | 69.5 | 70.9 | 72.4 | 63.9 | 74.4 | 74.4 | 74.0 | 74.1 | 72.1 | | | 132.0 |
| FREQ. SHIFT | 4000 | 50.2 | 65.0 | 64.8 | 65.7 | 66.6 | 67.3 | 68.2 | 69.6 | 61.0 | 72.5 | 72.6 | 71.5 | 72.5 | 69.9 | | | 130.5 |
| JET 9 | 5000 | 52.2 | 65.2 | 64.9 | 65.2 | 65.3 | 64.8 | 66.0 | 67.7 | 58.8 | 69.9 | 69.6 | 68.2 | 70.4 | 70.7 | | | 128.9 |
| DIAMETER RATIO | 6300 | 47.4 | 62.1 | 62.1 | 61.9 | 61.9 | 61.2 | 64.2 | 65.9 | 56.1 | 68.8 | 68.6 | 65.5 | 71.1 | 71.4 | | | 128.7 |
| DF/DM 8.00 | 8000 | 46.1 | 58.8 | 58.7 | 59.4 | 59.2 | 58.0 | 64.2 | 66.5 | 55.2 | 71.4 | 66.9 | 65.4 | 73.6 | 74.1 | | | 131.6 |
| | 10000 | 47.0 | 56.6 | 55.1 | 58.2 | 58.7 | 57.5 | 65.8 | 68.3 | 55.7 | 73.2 | 67.5 | 64.7 | 76.0 | 76.2 | | | 135.9 |
| OVERALL CALCULATED | 80.0 | 91.1 | 91.9 | 91.9 | 93.0 | 93.4 | 95.0 | 96.1 | 98.5 | 100.3 | 101.9 | 104.5 | 104.5 | 103.7 | 103.7 | | | 157.8 |
| PND8 | 85.0 | 97.8 | 98.1 | 98.5 | 99.7 | 99.7 | 101.4 | 102.4 | 104.2 | 106.0 | 106.8 | 107.3 | 106.7 | 105.6 | 105.6 | | | 159.1 |

977

☆ 10 dB TOO LOW

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) |
| REV, ALPHA 12773 | FREQ | 50 | 44.8 | 55.1 | 58.8 | 60.5 | 62.4 | 63.2 | 65.9 | 66.8 | 69.6 | 71.4 | 70.0 | 74.4 | 75.4 | 71.1 | 69.1 | 68.0 | 62.6 |
| NO EGA | 50 | 44.8 | 55.1 | 58.8 | 60.5 | 62.4 | 63.2 | 65.9 | 66.8 | 69.6 | 71.4 | 70.0 | 74.4 | 75.4 | 71.1 | 69.1 | 68.0 | 62.6 | 57.0 |
| SIDELINE 2400 FT | 80 | 45.5 | 58.5 | 61.6 | 61.4 | 63.4 | 63.1 | 66.6 | 67.0 | 69.9 | 69.9 | 71.6 | 74.8 | 73.4 | 69.0 | 68.0 | 62.6 | 57.0 | 52.9 |
| (731.52 M) | 100 | 44.8 | 58.3 | 61.2 | 62.4 | 65.2 | 64.3 | 66.7 | 67.9 | 69.9 | 71.9 | 73.0 | 72.9 | 69.8 | 68.0 | 62.6 | 57.0 | 52.9 | 49.7 |
| AFA 0 RPM | 125 | 45.7 | 58.4 | 61.7 | 62.2 | 63.6 | 65.2 | 67.0 | 67.8 | 69.4 | 72.1 | 72.1 | 71.2 | 68.0 | 62.6 | 57.0 | 52.9 | 49.7 | 47.5 |
| (0 RAD/SEC) | 160 | 44.9 | 58.8 | 61.6 | 62.2 | 63.4 | 64.8 | 66.7 | 67.6 | 69.6 | 71.1 | 72.9 | 71.9 | 66.6 | 59.6 | 57.0 | 52.9 | 49.7 | 45.4 |
| NFK 0 RPM | 200 | 44.2 | 58.4 | 60.5 | 61.5 | 63.4 | 65.0 | 66.7 | 67.3 | 68.9 | 69.8 | 71.0 | 69.1 | 64.6 | 57.0 | 52.9 | 49.7 | 45.4 | 43.1 |
| (0 RAD/SEC) | 250 | 45.0 | 57.3 | 59.2 | 62.3 | 63.9 | 65.0 | 65.5 | 66.5 | 67.9 | 68.8 | 69.9 | 68.5 | 62.0 | 55.6 | 52.9 | 49.7 | 45.4 | 43.1 |
| AFD 0 RPM | 315 | 42.8 | 57.7 | 59.9 | 60.4 | 62.1 | 63.1 | 64.5 | 65.8 | 67.8 | 68.2 | 67.7 | 66.8 | 60.4 | 52.9 | 49.7 | 45.4 | 43.1 | 43.1 |
| (0 RAD/SEC) | 400 | 41.8 | 56.9 | 58.4 | 60.6 | 61.6 | 62.8 | 64.1 | 64.8 | 65.0 | 67.3 | 67.0 | 65.6 | 60.0 | 52.9 | 49.7 | 45.4 | 43.1 | 43.1 |
| AIRFLOW RATIO | 500 | 39.0 | 54.2 | 56.0 | 57.9 | 61.3 | 61.8 | 62.7 | 63.7 | 65.0 | 65.8 | 64.8 | 63.1 | 57.4 | 49.7 | 45.4 | 43.1 | 43.1 | 43.1 |
| WF/WM 8.00 | 630 | 37.5 | 52.7 | 55.4 | 57.0 | 58.8 | 59.9 | 61.0 | 62.6 | 64.6 | 64.4 | 63.5 | 61.0 | 55.5 | 47.5 | 45.4 | 43.1 | 43.1 | 43.1 |
| | 800 | 35.2 | 50.7 | 53.6 | 56.2 | 58.2 | 59.3 | 59.7 | 60.8 | 62.6 | 62.1 | 61.5 | 59.1 | 53.1 | 45.4 | 43.1 | 43.1 | 43.1 | 43.1 |
| VEHICLE JENOTS | 1000 | 32.6 | 49.4 | 52.0 | 54.3 | 56.6 | 57.3 | 58.4 | 59.1 | 49.9 | 60.2 | 59.2 | 55.8 | 50.2 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| CONFIG JENOTS | 1250 | 29.7 | 46.5 | 50.4 | 52.7 | 55.0 | 55.0 | 56.6 | 57.2 | 48.7 | 58.3 | 56.6 | 53.8 | 47.3 | 39.0 | 43.1 | 43.1 | 43.1 | 43.1 |
| LCC EVENDALE | 1600 | 25.7 | 44.0 | 47.1 | 49.7 | 52.3 | 52.8 | 54.3 | 55.2 | 46.2 | 55.8 | 53.5 | 50.0 | 43.5 | 33.8 | 43.1 | 43.1 | 43.1 | 43.1 |
| DATE J4-16-75 | 2000 | 20.4 | 39.9 | 43.7 | 46.0 | 49.7 | 49.8 | 51.9 | 52.1 | 43.2 | 52.2 | 50.7 | 46.1 | 39.5 | 27.8 | 43.1 | 43.1 | 43.1 | 43.1 |
| RUN DBTF-MOCL 7 | 2500 | 13.6 | 34.1 | 38.7 | 41.5 | 44.4 | 45.4 | 47.3 | 48.1 | 39.3 | 48.2 | 46.1 | 41.5 | 33.6 | 20.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| TAPE X73260 | 3150 | 5.1 | 28.1 | 32.6 | 36.3 | 38.9 | 40.2 | 42.0 | 43.1 | 33.6 | 42.3 | 39.2 | 34.0 | 26.1 | 8.6 | 43.1 | 43.1 | 43.1 | 43.1 |
| FAN TIP SPEED | 4000 | | 17.3 | 23.2 | 28.0 | 30.7 | 33.3 | 34.5 | 35.6 | 25.7 | 34.8 | 31.1 | 23.7 | 14.4 | | 43.1 | 43.1 | 43.1 | 43.1 |
| FT/SEC | 5000 | | 13.0 | 19.7 | 24.3 | 27.1 | 28.1 | 29.7 | 30.9 | 20.6 | 29.0 | 24.3 | 16.0 | 6.4 | | 43.1 | 43.1 | 43.1 | 43.1 |
| | 6300 | | | 6.1 | 11.6 | 15.1 | 16.3 | 19.9 | 21.0 | 9.3 | 18.5 | 12.0 | 0.2 | | | 43.1 | 43.1 | 43.1 | 43.1 |
| | 8000 | | | | | | 0.6 | 7.7 | 9.2 | | 6.6 | | | | | 43.1 | 43.1 | 43.1 | 43.1 |
| OVERALL CALCULATED | 10000 | | | | | | | | | | | | | | | 43.1 | 43.1 | 43.1 | 43.1 |
| PNDP | | 55.0 | 68.4 | 71.0 | 72.1 | 74.0 | 74.8 | 76.6 | 77.5 | 69.6 | 80.7 | 81.2 | 82.5 | 80.6 | 75.9 | | 43.1 | 43.1 | 43.1 |
| | | 53.8 | 70.5 | 73.1 | 75.1 | 76.9 | 78.0 | 79.6 | 80.4 | 71.5 | 82.7 | 82.6 | 81.4 | 76.4 | 70.5 | | 43.1 | 43.1 | 43.1 |

978



★ 10 dB TOO LOW

DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

★

☆ 10 dB too low

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) |
| REV: ALPHA 12/73 | FREQ: | 50 | 49.1 | 59.6 | 62.3 | 64.5 | 66.9 | 68.9 | 70.8 | 71.6 | 72.9 | 73.7 | 74.9 | 75.9 | 76.9 | 77.9 | 78.9 |
| | | 63 | 50.1 | 62.7 | 65.5 | 65.0 | 67.5 | 68.5 | 70.8 | 71.6 | 72.9 | 74.2 | 74.9 | 75.9 | 76.9 | 77.9 | 78.9 |
| SIDELINE 2400 FT | | 80 | 49.8 | 63.5 | 66.3 | 65.7 | 67.9 | 68.4 | 70.9 | 72.2 | 74.1 | 74.4 | 77.3 | 79.8 | 78.1 | 71.0 | 71.0 |
| (731.52 M) | | 100 | 49.5 | 63.3 | 65.9 | 67.1 | 69.1 | 69.3 | 70.9 | 73.7 | 74.7 | 76.9 | 78.0 | 78.2 | 74.8 | 72.0 | 72.0 |
| NFA | 0. RPM | 125 | 51.5 | 63.4 | 66.7 | 67.5 | 68.8 | 70.2 | 72.5 | 73.3 | 75.9 | 77.4 | 78.1 | 76.2 | 72.8 | 66.4 | 64.3 |
| (0. RAD/SEC) | | 150 | 50.2 | 63.8 | 66.6 | 67.7 | 69.2 | 70.3 | 73.2 | 73.3 | 74.6 | 77.1 | 78.6 | 77.6 | 71.4 | 64.3 | 64.3 |
| NFK | 0. RPM | 200 | 49.7 | 64.4 | 66.3 | 67.3 | 69.6 | 71.0 | 73.4 | 73.5 | 75.4 | 76.5 | 77.2 | 75.4 | 70.6 | 62.7 | 62.7 |
| (0. RAD/SEC) | | 250 | 50.7 | 63.5 | 65.2 | 68.5 | 69.9 | 71.0 | 72.3 | 72.7 | 75.2 | 76.5 | 76.6 | 75.0 | 70.2 | 61.8 | 61.8 |
| NFD | 0. RPM | 315 | 49.3 | 63.4 | 66.9 | 66.4 | 68.6 | 69.9 | 72.0 | 72.6 | 74.8 | 75.7 | 75.7 | 73.8 | 68.6 | 59.7 | 59.7 |
| (0. RAD/SEC) | | 400 | 48.5 | 63.2 | 64.9 | 66.9 | 68.8 | 69.8 | 71.4 | 72.3 | 74.0 | 75.3 | 74.5 | 72.9 | 67.8 | 58.8 | 58.8 |
| AIRFLOW RATIO | | 500 | 45.0 | 61.2 | 64.0 | 65.7 | 68.1 | 69.3 | 70.2 | 71.9 | 73.8 | 74.5 | 73.8 | 71.9 | 66.7 | 57.5 | 57.5 |
| WF/WB 8.00 | | 630 | 44.8 | 60.2 | 62.4 | 64.5 | 67.1 | 68.6 | 70.5 | 71.6 | 73.6 | 74.4 | 73.0 | 70.8 | 65.5 | 57.0 | 57.0 |
| | | 800 | 43.0 | 58.7 | 61.9 | 64.5 | 66.5 | 67.8 | 69.0 | 70.3 | 72.6 | 73.1 | 72.0 | 69.6 | 64.8 | 55.4 | 55.4 |
| VEHICLE JENOTS | | 1000 | 40.8 | 57.6 | 61.3 | 62.8 | 66.1 | 67.0 | 68.1 | 68.2 | 71.1 | 71.5 | 70.4 | 67.8 | 63.7 | 54.4 | 54.4 |
| CONFIG JG-155 | | 1250 | 38.9 | 56.8 | 59.7 | 62.4 | 64.3 | 65.3 | 66.1 | 67.5 | 69.9 | 69.8 | 68.8 | 65.8 | 61.6 | 52.3 | 52.3 |
| LCC EVENDALE | | 1600 | 35.0 | 54.0 | 57.6 | 60.0 | 62.6 | 63.3 | 64.8 | 65.7 | 67.7 | 67.5 | 66.3 | 62.5 | 57.7 | 48.5 | 48.5 |
| DATE 04-16-75 | | 2000 | 29.9 | 49.9 | 54.0 | 56.2 | 59.5 | 60.0 | 62.1 | 62.9 | 64.4 | 64.4 | 63.2 | 58.9 | 53.5 | 43.0 | 43.0 |
| RLN DBTF-MODEL 7 | | 2500 | 24.1 | 46.6 | 50.2 | 53.0 | 55.6 | 56.2 | 57.8 | 58.8 | 60.6 | 60.2 | 58.4 | 54.2 | 47.4 | 35.1 | 35.1 |
| TARE X70270 | | 3150 | 15.8 | 39.8 | 45.6 | 49.3 | 51.9 | 52.2 | 53.7 | 53.9 | 44.8 | 54.0 | 51.9 | 46.8 | 38.8 | 23.6 | 23.6 |
| FAN TIP SPEED | | 4000 | 5.0 | 33.3 | 40.5 | 44.6 | 49.0 | 51.3 | 50.8 | 52.6 | 40.4 | 46.5 | 43.6 | 36.2 | 26.4 | 5.1 | 5.1 |
| | | 5000 | | 24.5 | 31.4 | 36.1 | 39.6 | 41.3 | 42.2 | 43.2 | 33.6 | 40.0 | 37.1 | 28.5 | 17.4 | | |
| | | 6300 | | 7.1 | 17.4 | 22.6 | 26.3 | 28.5 | 29.9 | 30.5 | 20.8 | 28.7 | 23.5 | 13.2 | | | |
| | | 8000 | | | | 6.4 | 10.7 | 12.4 | 14.2 | 15.2 | 6.0 | 14.4 | 5.1 | | | | |
| | | 10000 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 60.4 | 74.1 | 76.7 | 78.0 | 80.0 | 81.0 | 82.9 | 83.9 | 75.8 | 87.1 | 87.5 | 87.8 | 85.4 | 59.1 | 59.1 |
| PNDP | | | 61.3 | 77.9 | 80.9 | 82.7 | 85.0 | 86.1 | 87.8 | 88.8 | 80.1 | 91.4 | 90.9 | 89.3 | 84.5 | 76.9 | 76.9 |

086



☆ 10 dB TOO LOW

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|------------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 0 | 0 | 0 |
| REV, ALPHA 12/73 FREQ. | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (0) | (0) | (0) |
| REG, NO. EGA | 50 | 87.2 | 84.7 | 86.3 | 87.2 | 88.7 | 89.0 | 90.8 | 92.3 | 95.1 | 98.3 | 99.0 | 106.3 | 109.5 | 106.1 | | | | | |
| RADIAL 320, FT. | 63 | 89.6 | 88.8 | 89.8 | 88.5 | 89.7 | 90.1 | 92.5 | 94.0 | 96.7 | 98.2 | 100.7 | 107.4 | 109.6 | 105.1 | | | | | |
| (98. M) | 80 | 89.1 | 89.0 | 90.7 | 89.5 | 90.7 | 90.5 | 93.4 | 94.4 | 97.7 | 99.7 | 103.7 | 107.6 | 108.7 | 105.3 | | | | | |
| VEHICLE JENOTS | 100 | 89.0 | 89.9 | 91.4 | 91.8 | 92.3 | 92.8 | 94.7 | 96.9 | 98.5 | 102.0 | 104.7 | 106.0 | 106.0 | 105.7 | | | | | |
| CONFIC JE#055 | 125 | 90.8 | 90.4 | 91.8 | 91.4 | 92.3 | 93.2 | 95.2 | 96.3 | 99.4 | 102.8 | 105.7 | 105.4 | 103.6 | 101.4 | | | | | |
| LOC EVENDALE | 160 | 92.7 | 90.7 | 91.9 | 91.8 | 93.0 | 93.9 | 95.7 | 96.9 | 99.7 | 103.4 | 106.1 | 106.7 | 103.2 | 100.2 | | | | | |
| DATE 04-16-75 | 200 | 91.3 | 92.2 | 92.2 | 92.5 | 93.8 | 94.2 | 96.5 | 97.7 | 100.3 | 103.5 | 105.6 | 105.2 | 103.1 | 99.9 | | | | | |
| RLN DBTF-MODEL 7 | 250 | 91.8 | 91.8 | 91.3 | 93.7 | 94.7 | 95.1 | 96.0 | 97.8 | 100.5 | 103.6 | 105.2 | 106.5 | 104.1 | 101.0 | | | | | |
| TAPE X70280 | 315 | 91.8 | 92.3 | 92.5 | 92.0 | 93.1 | 94.2 | 96.0 | 97.4 | 101.3 | 103.4 | 104.8 | 106.0 | 103.7 | 101.3 | | | | | |
| BAR 29.9 HG | 400 | 91.9 | 93.0 | 92.6 | 93.3 | 94.4 | 94.9 | 96.6 | 97.9 | 100.9 | 103.4 | 104.7 | 106.2 | 104.6 | 102.9 | | | | | |
| (C1039, N/M2) | 500 | 93.8 | 91.8 | 91.8 | 92.2 | 93.7 | 94.7 | 96.2 | 98.3 | 101.2 | 103.3 | 104.9 | 105.7 | 104.4 | 103.6 | | | | | |
| TAMB 59, DEG F | 630 | 91.1 | 92.1 | 92.0 | 92.7 | 93.7 | 94.5 | 96.4 | 98.1 | 101.9 | 103.4 | 104.6 | 106.2 | 106.4 | 105.0 | | | | | |
| (288, DEG K) | 800 | 91.2 | 93.5 | 93.0 | 93.3 | 93.9 | 95.2 | 95.9 | 98.1 | 101.3 | 102.9 | 104.1 | 105.4 | 106.8 | 105.1 | | | | | |
| TAET 53, DEG F | 1000 | 92.6 | 95.4 | 94.0 | 93.2 | 94.4 | 94.8 | 95.9 | 97.6 | 100.4 | 102.6 | 103.6 | 104.4 | 106.6 | 105.1 | | | | | |
| (285, DEG K) | 1250 | 94.9 | 98.4 | 97.4 | 96.2 | 95.4 | 94.3 | 94.9 | 97.0 | 100.3 | 101.6 | 102.6 | 103.7 | 105.6 | 104.0 | | | | | |
| HACT 8.91 GN/H3 | 1600 | 93.2 | 97.5 | 98.6 | 98.3 | 98.2 | 95.4 | 95.2 | 96.3 | 99.3 | 100.6 | 101.5 | 103.5 | 104.2 | 102.3 | | | | | |
| (100891 KG/H3) | 2000 | 89.8 | 93.8 | 95.6 | 96.6 | 98.6 | 96.6 | 95.2 | 95.4 | 97.5 | 98.9 | 101.0 | 101.8 | 102.1 | 99.9 | | | | | |
| FREQ. SHIFT | 2500 | 86.9 | 91.0 | 91.7 | 93.2 | 95.3 | 94.7 | 94.6 | 94.4 | 96.7 | 97.2 | 99.4 | 99.6 | 99.9 | 98.2 | | | | | |
| JET 9 | 3150 | 84.1 | 89.4 | 90.1 | 91.0 | 92.0 | 91.7 | 93.1 | 93.1 | 94.6 | 95.9 | 96.4 | 97.3 | 98.1 | 95.9 | | | | | |
| DIAMETER RATIO | 4000 | 80.8 | 85.8 | 88.0 | 88.3 | 88.7 | 89.2 | 90.3 | 91.0 | 92.4 | 93.1 | 95.0 | 94.8 | 96.4 | 93.8 | | | | | |
| BF/DM 8.00 | 5000 | 78.3 | 83.3 | 84.8 | 85.8 | 86.6 | 85.9 | 87.1 | 87.5 | 89.6 | 90.4 | 91.6 | 92.0 | 93.7 | 92.2 | | | | | |
| OVERALL CALCULATED | 6300 | 74.8 | 80.2 | 81.5 | 82.8 | 82.9 | 83.2 | 84.0 | 84.7 | 86.5 | 88.4 | 90.1 | 89.6 | 91.9 | 89.8 | | | | | |
| PND8 | 8000 | 72.2 | 77.4 | 78.8 | 79.7 | 80.3 | 79.8 | 80.5 | 82.4 | 84.1 | 88.0 | 88.5 | 88.0 | 90.7 | 88.2 | | | | | |
| | 10000 | 69.1 | 75.4 | 75.7 | 77.2 | 77.7 | 77.6 | 78.4 | 80.6 | 79.7 | 89.5 | 88.6 | 87.8 | 89.1 | 87.8 | | | | | |
| | | 103.8 | 105.9 | 106.1 | 106.3 | 107.2 | 107.0 | 108.1 | 109.6 | 112.4 | 114.7 | 116.6 | 118.2 | 118.4 | 116.1 | | | | | |
| | | 113.4 | 116.7 | 117.4 | 117.7 | 119.0 | 118.2 | 118.8 | 119.6 | 122.0 | 123.7 | 125.4 | 126.3 | 126.6 | 124.6 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) |
| NO EGA | 50 | 63.3 | 63.1 | 66.3 | 68.2 | 70.4 | 71.2 | 73.2 | 74.5 | 76.8 | 79.4 | 79.0 | 84.7 | 85.6 | 78.8 | | |
| SIDELINE 2400. FT. | 63 | 65.6 | 67.2 | 69.7 | 69.5 | 71.5 | 72.3 | 74.8 | 76.1 | 78.4 | 79.2 | 80.6 | 85.7 | 84.6 | 77.6 | | |
| (731.52 M) | 90 | 65.0 | 68.2 | 70.6 | 70.4 | 72.4 | 72.6 | 75.6 | 76.5 | 79.4 | 80.7 | 83.6 | 85.8 | 84.6 | 77.7 | | |
| NFA 0. RPM | 100 | 64.8 | 68.1 | 71.2 | 72.7 | 73.9 | 74.9 | 76.9 | 79.0 | 80.2 | 82.9 | 84.5 | 84.2 | 84.8 | 77.9 | | |
| (0. RAD/SEC) | 125 | 65.5 | 68.4 | 71.4 | 72.2 | 73.8 | 75.2 | 77.3 | 78.3 | 80.9 | 83.6 | 85.4 | 83.4 | 79.3 | 73.4 | | |
| NFK 0. RPM | 160 | 66.2 | 68.5 | 71.4 | 72.5 | 74.4 | 75.8 | 77.7 | 78.8 | 81.1 | 84.1 | 85.6 | 84.6 | 78.6 | 71.8 | | |
| (0. RAD/SEC) | 200 | 65.5 | 69.9 | 71.5 | 73.0 | 75.1 | 76.0 | 78.4 | 79.5 | 81.7 | 84.0 | 85.0 | 82.9 | 78.3 | 70.7 | | |
| NFD 0. RPM | 250 | 66.7 | 69.3 | 70.5 | 74.0 | 75.9 | 76.7 | 77.8 | 79.4 | 81.6 | 84.0 | 84.3 | 83.9 | 79.0 | 71.8 | | |
| (0. RAD/SEC) | 313 | 66.3 | 69.4 | 71.4 | 72.1 | 74.1 | 75.6 | 77.5 | 78.8 | 82.3 | 83.5 | 83.7 | 83.1 | 78.1 | 71.4 | | |
| AIRFLOW RATIO | 400 | 65.8 | 69.7 | 71.1 | 73.1 | 75.1 | 76.0 | 77.9 | 79.1 | 81.5 | 83.3 | 83.3 | 82.9 | 78.5 | 72.3 | | |
| WF/WM 8.00 | 500 | 64.0 | 68.0 | 70.0 | 71.6 | 74.1 | 75.5 | 77.2 | 79.1 | 81.5 | 82.7 | 83.1 | 81.8 | 77.6 | 71.9 | | |
| | 630 | 63.5 | 67.7 | 69.6 | 71.7 | 73.6 | 74.9 | 77.0 | 78.6 | 81.9 | 82.4 | 82.2 | 81.8 | 78.8 | 72.0 | | |
| VEHICLE JENOTS | 800 | 62.5 | 68.2 | 69.9 | 71.7 | 73.2 | 75.1 | 75.9 | 78.0 | 80.6 | 81.3 | 81.0 | 80.1 | 78.1 | 70.4 | | |
| CCNFIG JE-055 | 1000 | 62.5 | 69.1 | 70.0 | 70.8 | 73.1 | 74.0 | 75.3 | 76.9 | 79.1 | 80.2 | 79.6 | 78.0 | 76.4 | 68.4 | | |
| LCC EVENDALE | 1250 | 63.1 | 70.7 | 72.4 | 72.9 | 73.2 | 72.8 | 73.6 | 75.4 | 78.2 | 78.3 | 77.6 | 76.0 | 73.8 | 64.8 | | |
| DATE 04-16-75 | 1600 | 59.0 | 68.0 | 72.0 | 73.7 | 74.8 | 72.7 | 72.8 | 73.6 | 75.9 | 76.0 | 75.0 | 74.0 | 69.9 | 59.5 | | |
| RUN DBTF-MODEL 7 | 2000 | 52.7 | 62.1 | 67.2 | 70.4 | 73.7 | 72.5 | 71.4 | 71.4 | 72.6 | 72.7 | 72.7 | 70.1 | 64.9 | 52.8 | | |
| TAPE X70280 | 2500 | 43.6 | 56.1 | 60.7 | 64.8 | 68.3 | 68.7 | 68.8 | 68.3 | 69.8 | 68.7 | 68.4 | 64.7 | 58.6 | 44.8 | | |
| FAN TIP SPEED | 3130 | 36.1 | 49.3 | 54.9 | 58.8 | 61.7 | 62.5 | 64.2 | 63.9 | 64.4 | 63.8 | 61.2 | 57.3 | 50.1 | 32.4 | | |
| FT/SEC | 4000 | 22.6 | 38.1 | 46.5 | 50.7 | 53.4 | 55.2 | 58.7 | 57.0 | 57.1 | 55.4 | 53.4 | 47.1 | 38.2 | 13.2 | | |
| | 5000 | 14.3 | 31.1 | 39.5 | 44.9 | 48.4 | 49.2 | 50.8 | 50.8 | 51.4 | 49.5 | 46.4 | 39.9 | 29.7 | 4.9 | | |
| | 6300 | | 14.9 | 25.5 | 32.5 | 36.1 | 38.4 | 39.7 | 39.8 | 39.7 | 38.1 | 34.1 | 24.3 | 10.7 | | | |
| | 8000 | | | 6.2 | 15.0 | 20.3 | 22.4 | 24.0 | 25.0 | 24.1 | 23.2 | 15.9 | 2.6 | | | | |
| | 10000 | | | | | | 2.8 | 4.8 | 5.9 | 1.5 | 4.6 | | | | | | |
| OVERALL CALCULATED | | 76.8 | 80.7 | 82.9 | 84.4 | 86.2 | 87.0 | 88.7 | 90.1 | 92.5 | 94.2 | 95.0 | 95.1 | 92.6 | 86.1 | | |
| PND8 | | 80.6 | 87.1 | 90.4 | 92.4 | 94.5 | 94.8 | 95.1 | 96.0 | 98.2 | 99.3 | 99.4 | 98.7 | 94.9 | 87.2 | | |

| REV, ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0 | | | PWL |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-----|-----|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 0 | 0 | 0 | |
| | | (0.52) | (0.70) | (0.87) | (1.10) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (0) | (0) | (0) | |
| NO EGA | 50 | 87.4 | 85.7 | 90.6 | 86.9 | 88.2 | 88.0 | 90.3 | 90.8 | 94.8 | 98.1 | 99.5 | 106.8 | 109.0 | 107.9 | | | | | | 159.2 |
| RDG, NO. | 63 | 91.1 | 89.8 | 89.8 | 87.8 | 89.0 | 89.6 | 91.7 | 92.7 | 95.2 | 98.2 | 101.2 | 109.9 | 112.3 | 107.6 | | | | | | 161.6 |
| RADIAL 320, FT. | 80 | 91.8 | 90.9 | 91.0 | 88.2 | 90.2 | 89.8 | 92.4 | 93.1 | 95.9 | 98.2 | 103.2 | 110.1 | 111.9 | 110.6 | | | | | | 162.1 |
| (98. 4) | 103 | 91.7 | 90.7 | 91.4 | 90.9 | 91.8 | 91.0 | 93.2 | 94.6 | 97.0 | 100.8 | 104.5 | 108.5 | 110.0 | 112.5 | | | | | | 161.9 |
| VEHICLE JENOTS | 125 | 92.3 | 90.4 | 91.0 | 90.4 | 91.3 | 91.9 | 93.7 | 94.9 | 97.4 | 100.8 | 103.2 | 106.2 | 107.1 | 107.7 | | | | | | 159.4 |
| CCNFIG JE=C55 | 160 | 90.7 | 90.2 | 91.1 | 90.3 | 91.5 | 91.7 | 94.4 | 94.7 | 97.2 | 101.1 | 104.3 | 107.2 | 104.9 | 104.9 | | | | | | 159.2 |
| LCC EVENDALE | 230 | 89.1 | 90.0 | 89.9 | 90.3 | 91.8 | 92.3 | 94.0 | 94.8 | 97.4 | 100.0 | 103.4 | 104.0 | 103.1 | 101.0 | | | | | | 157.4 |
| DATE 04-16-79 | 250 | 89.9 | 89.4 | 89.1 | 90.7 | 92.3 | 92.4 | 93.3 | 94.1 | 96.8 | 99.9 | 102.5 | 103.0 | 101.1 | 98.8 | | | | | | 156.6 |
| RUN DBTF-MODEL 7 | 319 | 88.9 | 90.1 | 90.1 | 89.5 | 90.2 | 91.2 | 93.0 | 94.2 | 96.4 | 99.1 | 101.1 | 102.4 | 98.7 | 96.6 | | | | | | 155.6 |
| TAPE X70290 | 403 | 87.4 | 90.3 | 89.9 | 91.1 | 91.5 | 91.5 | 92.4 | 93.5 | 95.7 | 98.7 | 100.0 | 100.2 | 97.4 | 94.7 | | | | | | 154.7 |
| BAR 29.9 HQ | 500 | 86.4 | 88.6 | 89.2 | 89.0 | 90.1 | 91.0 | 91.8 | 93.1 | 95.5 | 98.3 | 98.7 | 98.7 | 95.5 | 92.4 | | | | | | 153.7 |
| 701039, N742) | 630 | 85.5 | 87.5 | 87.8 | 88.3 | 89.0 | 90.0 | 91.2 | 92.5 | 95.3 | 98.2 | 98.2 | 98.1 | 95.0 | 92.1 | | | | | | 153.3 |
| TAMB 59, DEG F | 800 | 84.6 | 88.2 | 87.6 | 88.0 | 89.3 | 89.8 | 90.5 | 91.2 | 94.2 | 96.5 | 97.2 | 97.1 | 95.0 | 92.2 | | | | | | 152.4 |
| (288, DEG K) | 1000 | 83.6 | 86.6 | 87.1 | 87.6 | 88.6 | 89.2 | 89.8 | 90.8 | 92.6 | 95.3 | 95.8 | 96.1 | 94.5 | 92.0 | | | | | | 151.5 |
| TWET 53, DEG F | 1250 | 82.2 | 86.4 | 86.1 | 86.7 | 88.4 | 88.1 | 88.7 | 90.2 | 92.3 | 93.8 | 94.8 | 94.9 | 93.4 | 90.7 | | | | | | 150.7 |
| (283, DEG K) | 1600 | 80.0 | 84.5 | 85.4 | 85.1 | 86.7 | 86.7 | 88.0 | 88.6 | 90.8 | 92.4 | 93.3 | 92.9 | 91.5 | 88.9 | | | | | | 149.3 |
| HACT 8.91 GM/M3 | 2000 | 77.8 | 82.1 | 82.6 | 82.9 | 85.9 | 84.9 | 86.5 | 87.4 | 89.0 | 90.9 | 91.1 | 90.9 | 88.9 | 87.5 | | | | | | 147.7 |
| (100891 KG/M3) | 2500 | 75.3 | 80.3 | 81.0 | 81.3 | 82.8 | 83.0 | 84.1 | 86.4 | 87.3 | 88.8 | 89.2 | 88.7 | 87.3 | 85.8 | | | | | | 146.1 |
| FREQ. SHIFT | 3150 | 73.2 | 78.9 | 79.4 | 79.8 | 81.0 | 81.1 | 81.9 | 83.0 | 85.5 | 87.0 | 86.5 | 86.6 | 86.0 | 84.2 | | | | | | 144.5 |
| JET 9 | 4000 | 70.4 | 76.4 | 76.7 | 77.2 | 78.0 | 79.1 | 79.9 | 81.5 | 82.5 | 84.4 | 84.8 | 83.9 | 83.5 | 81.6 | | | | | | 142.8 |
| DIAMETER RATIO | 5000 | 69.2 | 76.9 | 77.1 | 76.7 | 77.2 | 77.0 | 78.7 | 79.5 | 82.0 | 82.0 | 82.2 | 81.9 | 81.6 | 81.4 | | | | | | 141.7 |
| BF/DH 8.00 | 6300 | 66.8 | 74.3 | 74.5 | 74.3 | 74.0 | 74.5 | 75.6 | 76.7 | 79.0 | 80.7 | 79.7 | 82.4 | 81.7 | 81.0 | | | | | | 141.2 |
| OVERALL CALCULATED | 8000 | 65.7 | 69.9 | 70.8 | 70.8 | 70.8 | 70.3 | 70.8 | 72.1 | 75.8 | 80.2 | 78.0 | 84.2 | 83.2 | 84.2 | | | | | | 142.7 |
| PND8 | 10000 | 66.1 | 66.5 | 67.3 | 67.5 | 68.5 | 67.9 | 67.9 | 69.1 | 75.5 | 82.3 | 77.3 | 87.1 | 85.6 | 86.5 | | | | | | 147.0 |
| | | 101.0 | 101.2 | 101.7 | 101.3 | 102.5 | 102.8 | 104.3 | 105.3 | 107.8 | 110.8 | 113.3 | 117.1 | 118.1 | 117.3 | | | | | | 170.0 |
| | | 105.9 | 108.4 | 108.9 | 108.9 | 110.4 | 110.3 | 111.7 | 113.0 | 115.0 | 117.3 | 118.6 | 120.4 | 119.9 | 119.6 | | | | | | 171.5 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 180° | 190° |
| NO EGA | 50 | 63.6 | 64.1 | 70.5 | 68.0 | 69.9 | 70.2 | 72.7 | 73.0 | 76.6 | 79.1 | 79.5 | 85.2 | 85.1 | 80.6 | | |
| SIDELINE 2400. FT. | 80 | 67.1 | 68.2 | 69.7 | 68.8 | 71.7 | 71.8 | 74.0 | 74.9 | 76.9 | 79.2 | 81.1 | 88.2 | 88.4 | 80.1 | | |
| (731.52 M) | 100 | 67.8 | 68.7 | 70.8 | 69.2 | 71.9 | 71.9 | 74.6 | 75.2 | 77.6 | 79.2 | 83.1 | 88.3 | 87.9 | 83.0 | | |
| NFA 0. RPM | 125 | 68.0 | 68.4 | 71.2 | 71.4 | 73.4 | 73.1 | 75.4 | 76.7 | 78.7 | 81.6 | 84.2 | 86.7 | 85.8 | 84.7 | | |
| (0. RAD/SEC) | 160 | 66.2 | 68.1 | 70.6 | 71.0 | 72.9 | 73.6 | 76.4 | 76.6 | 78.6 | 81.8 | 83.9 | 85.1 | 80.4 | 76.6 | | |
| NFK 0. RPM | 200 | 64.3 | 67.7 | 69.3 | 70.8 | 73.2 | 74.0 | 75.9 | 76.5 | 78.7 | 80.6 | 82.7 | 81.7 | 78.3 | 72.2 | | |
| (0. RAD/SEC) | 250 | 64.7 | 66.8 | 68.2 | 71.1 | 73.4 | 74.0 | 75.1 | 75.7 | 77.9 | 80.3 | 81.6 | 80.5 | 76.0 | 69.6 | | |
| NFD 0. RPM | 315 | 63.3 | 67.2 | 69.0 | 69.7 | 71.1 | 72.6 | 74.6 | 75.6 | 77.3 | 79.3 | 80.0 | 79.6 | 73.2 | 66.9 | | |
| (0. RAD/SEC) | 400 | 61.3 | 67.0 | 68.4 | 70.9 | 72.1 | 72.6 | 73.7 | 74.6 | 76.3 | 78.6 | 78.6 | 76.9 | 71.3 | 64.1 | | |
| AIRFLOW RATIO | 500 | 59.6 | 64.8 | 67.3 | 68.3 | 70.4 | 71.8 | 72.8 | 74.0 | 75.8 | 77.8 | 76.9 | 74.9 | 68.7 | 60.8 | | |
| WF/WH 8.00 | 630 | 57.8 | 63.0 | 65.4 | 67.3 | 68.9 | 70.5 | 71.8 | 72.9 | 75.2 | 77.2 | 75.8 | 73.6 | 67.4 | 59.1 | | |
| | 800 | 55.9 | 62.9 | 64.5 | 66.4 | 68.6 | 69.7 | 70.6 | 71.1 | 73.5 | 74.9 | 74.1 | 71.7 | 66.2 | 57.6 | | |
| VEHICLE JENOTS | 1000 | 53.5 | 60.3 | 63.2 | 65.3 | 67.3 | 68.4 | 69.3 | 70.0 | 71.3 | 72.9 | 71.8 | 69.7 | 64.4 | 55.3 | | |
| CCAFIG JE+055 | 1250 | 50.4 | 58.7 | 61.1 | 63.4 | 66.2 | 66.5 | 67.3 | 68.7 | 70.1 | 70.5 | 69.8 | 67.3 | 61.6 | 51.5 | | |
| LCC EVENDALE | 1500 | 45.7 | 55.0 | 58.9 | 60.5 | 63.3 | 64.0 | 65.5 | 65.9 | 67.4 | 67.8 | 66.8 | 63.3 | 57.2 | 46.0 | | |
| DATE 04-16-75 | 2000 | 40.7 | 50.4 | 54.3 | 56.8 | 61.0 | 60.8 | 62.7 | 63.4 | 64.2 | 64.7 | 62.7 | 59.2 | 51.8 | 40.3 | | |
| RCA DBTF-MODEL 7 | 2500 | 34.0 | 45.4 | 50.0 | 52.8 | 55.9 | 57.0 | 58.4 | 60.3 | 60.6 | 60.3 | 58.2 | 53.8 | 43.9 | 32.4 | | |
| TAPE X70290 | 3150 | 25.2 | 38.9 | 44.2 | 47.6 | 50.9 | 51.8 | 53.1 | 53.7 | 55.2 | 54.8 | 51.3 | 46.6 | 37.9 | 20.7 | | |
| FAN TIP SPEED | 4000 | 12.2 | 26.7 | 35.2 | 39.3 | 42.7 | 45.1 | 46.3 | 47.1 | 47.2 | 46.7 | 43.3 | 36.2 | 25.3 | 3.1 | | |
| FT/SEC | 5000 | 5.2 | 24.7 | 31.9 | 35.8 | 39.0 | 40.3 | 42.4 | 43.1 | 43.8 | 41.1 | 37.0 | 29.7 | 17.6 | | | |
| | 6300 | | 9.0 | 19.5 | 24.0 | 27.2 | 29.6 | 31.3 | 31.9 | 32.2 | 30.3 | 23.6 | 17.1 | 0.5 | | | |
| | 8000 | | | | 6.0 | 10.9 | 13.0 | 14.3 | 14.8 | 15.9 | 15.3 | 5.4 | | | | | |
| | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 76.1 | 78.3 | 80.6 | 81.2 | 83.2 | 83.9 | 85.8 | 86.6 | 88.7 | 91.0 | 92.5 | 95.1 | 93.9 | 89.5 | | |
| PNDP | | 76.3 | 81.3 | 83.7 | 85.5 | 87.6 | 88.3 | 89.8 | 90.8 | 92.6 | 94.4 | 94.9 | 95.0 | 92.0 | 87.5 | | |

PEOC: DATE: MONTH 4 DAY 29 HR: 20:2
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHI | | |
|--------------------|----------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 0° | 0° | 0° | 0° | PHI |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.0) | (3.0) | PHI |
| | | 50 | 95.7 | 88.7 | 94.3 | 90.4 | 92.2 | 92.0 | 94.6 | 94.8 | 98.6 | 102.3 | 103.8 | 111.5 | 114.2 | 112.1 | | | | 164.0 |
| | | 63 | 94.1 | 93.1 | 93.8 | 91.8 | 93.5 | 93.9 | 96.3 | 97.5 | 100.2 | 102.2 | 105.7 | 113.6 | 115.1 | 111.1 | | | | 165.0 |
| | | 80 | 95.8 | 94.7 | 94.7 | 93.0 | 94.5 | 94.3 | 96.1 | 97.4 | 101.2 | 103.7 | 108.0 | 113.6 | 116.2 | 113.8 | | | | 166.0 |
| RDG. NO. | 0 | 100 | 94.7 | 94.2 | 94.9 | 94.8 | 96.5 | 95.5 | 97.2 | 99.1 | 101.8 | 105.8 | 108.7 | 111.8 | 113.5 | 116.0 | | | | 168.6 |
| RADIAL 320, FT. | (98.4) | 125 | 96.8 | 94.1 | 95.0 | 94.7 | 95.3 | 96.2 | 98.7 | 99.6 | 102.9 | 106.8 | 108.7 | 110.2 | 112.1 | 112.9 | | | | 164.4 |
| VEHICLE | JENOTS | 160 | 95.5 | 94.9 | 95.1 | 95.8 | 96.0 | 96.9 | 99.2 | 99.9 | 102.4 | 106.9 | 109.3 | 111.2 | 111.4 | 113.9 | | | | 164.4 |
| CCNFIG | JE-055 | 200 | 94.6 | 95.7 | 94.7 | 95.5 | 96.6 | 98.0 | 99.8 | 100.3 | 103.1 | 106.3 | 108.4 | 109.5 | 109.9 | 109.0 | | | | 163.3 |
| LCC | EVENDALE | 250 | 96.4 | 95.1 | 94.6 | 96.4 | 97.3 | 97.9 | 99.1 | 100.1 | 103.0 | 106.7 | 108.0 | 109.5 | 109.6 | 109.1 | | | | 163.3 |
| DATE | 34-16-75 | 315 | 95.6 | 95.9 | 95.8 | 94.8 | 96.7 | 98.4 | 99.0 | 100.5 | 103.6 | 107.6 | 107.1 | 109.4 | 108.7 | 108.6 | | | | 163.2 |
| RUN | DBTF-MODEL 7 | 400 | 94.9 | 96.0 | 95.9 | 95.6 | 97.0 | 97.5 | 98.6 | 100.0 | 103.2 | 106.5 | 107.3 | 108.2 | 109.2 | 109.0 | | | | 162.9 |
| TAPE | X70300 | 500 | 94.4 | 95.4 | 94.9 | 94.7 | 96.6 | 97.3 | 98.3 | 99.9 | 103.2 | 106.1 | 106.2 | 109.0 | 108.2 | 108.2 | | | | 162.8 |
| BAR | 29.9 HG | 630 | 95.5 | 96.5 | 95.8 | 95.3 | 96.2 | 97.0 | 98.7 | 100.2 | 103.8 | 106.2 | 106.4 | 108.3 | 109.2 | 107.5 | | | | 162.8 |
| | 61639, N/42) | 800 | 97.4 | 99.4 | 97.9 | 97.0 | 97.5 | 97.6 | 98.3 | 100.2 | 103.7 | 105.3 | 106.0 | 108.3 | 109.2 | 106.5 | | | | 162.7 |
| TAMB | 59, DEG F | 1000 | 98.3 | 101.4 | 100.9 | 99.4 | 99.1 | 97.9 | 98.1 | 99.8 | 102.9 | 105.0 | 105.0 | 107.6 | 108.5 | 107.0 | | | | 162.6 |
| | (288, DEG K) | 1250 | 96.4 | 100.1 | 100.6 | 101.7 | 101.4 | 98.6 | 97.9 | 99.2 | 102.6 | 104.6 | 104.6 | 107.2 | 106.9 | 106.2 | | | | 162.4 |
| TWET | 53, DEG F | 1600 | 93.5 | 97.5 | 98.1 | 99.1 | 101.0 | 100.0 | 98.5 | 98.4 | 101.1 | 103.7 | 103.6 | 105.8 | 105.7 | 103.9 | | | | 161.4 |
| | (285, DEG K) | 2000 | 92.1 | 96.1 | 96.4 | 96.9 | 98.9 | 98.6 | 98.5 | 98.0 | 100.0 | 101.7 | 102.3 | 104.4 | 103.9 | 102.5 | | | | 160.1 |
| HACT | 8.91 GM/M3 | 2500 | 89.8 | 94.1 | 95.3 | 95.3 | 96.3 | 95.8 | 96.9 | 97.4 | 98.8 | 99.8 | 100.7 | 102.0 | 102.0 | 100.6 | | | | 158.6 |
| | (.00891 KG/M3) | 3150 | 87.5 | 91.9 | 92.7 | 94.0 | 94.8 | 94.8 | 95.4 | 95.2 | 96.7 | 98.0 | 98.0 | 99.4 | 100.2 | 98.9 | | | | 157.1 |
| FREQ. SHIFT | | 4000 | 84.1 | 88.4 | 89.5 | 90.7 | 91.3 | 92.6 | 92.9 | 93.1 | 93.7 | 94.9 | 96.3 | 96.9 | 97.5 | 95.4 | | | | 155.1 |
| JET | 9 | 5000 | 81.9 | 86.9 | 87.9 | 88.9 | 89.7 | 89.3 | 89.0 | 89.9 | 91.5 | 92.5 | 93.7 | 94.6 | 95.1 | 93.6 | | | | 153.1 |
| DIAMETER RATIO | | 6300 | 78.8 | 83.5 | 85.0 | 85.8 | 86.2 | 86.0 | 86.8 | 87.2 | 88.5 | 90.7 | 91.7 | 92.1 | 93.2 | 91.1 | | | | 151.8 |
| DF/DH | 8.00 | 8000 | 76.7 | 80.4 | 82.1 | 83.0 | 82.8 | 82.8 | 83.6 | 84.1 | 85.3 | 89.2 | 89.8 | 89.5 | 91.7 | 89.7 | | | | 151.6 |
| | | 10000 | 73.6 | 77.2 | 78.3 | 79.8 | 79.5 | 79.4 | 80.7 | 81.1 | 81.8 | 81.8 | 88.8 | 88.1 | 90.3 | 89.0 | | | | 153.2 |
| OVERALL CALCULATED | | | 107.9 | 109.3 | 109.3 | 109.3 | 110.2 | 110.1 | 110.9 | 112.0 | 114.9 | 117.9 | 119.3 | 122.4 | 123.7 | 122.8 | | | | 176.1 |
| PND8 | | | 116.3 | 119.1 | 119.7 | 119.9 | 121.0 | 120.9 | 121.5 | 122.1 | 124.3 | 126.4 | 127.3 | 129.2 | 129.7 | 128.5 | | | | 177.4 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) |
| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| NO EGA | 30 | 66.8 | 67.1 | 74.3 | 71.5 | 73.9 | 74.2 | 76.9 | 77.0 | 80.3 | 83.4 | 83.7 | 89.9 | 90.4 | 84.8 | | |
| SIDELINE 2430. FT. | 83 | 70.1 | 71.4 | 73.7 | 72.8 | 75.2 | 76.0 | 78.3 | 79.6 | 81.9 | 83.2 | 85.6 | 92.0 | 91.1 | 83.6 | | |
| (731.52 M) | 190 | 71.8 | 73.0 | 74.6 | 73.9 | 76.2 | 76.4 | 78.4 | 79.5 | 82.9 | 84.7 | 87.8 | 92.1 | 92.1 | 86.2 | | |
| NFA 0. RPM | 125 | 70.5 | 72.3 | 74.7 | 75.6 | 78.1 | 77.6 | 79.4 | 81.2 | 83.4 | 86.6 | 88.5 | 89.9 | 89.3 | 88.2 | | |
| (0. RAD/SEC) | 165 | 70.9 | 72.8 | 74.6 | 76.5 | 77.4 | 78.8 | 81.2 | 81.8 | 83.9 | 87.6 | 88.9 | 89.1 | 86.9 | 82.6 | | |
| NFK 0. RPM | 200 | 69.8 | 73.4 | 74.0 | 76.0 | 77.9 | 79.8 | 81.7 | 82.0 | 84.4 | 86.8 | 87.7 | 87.2 | 85.1 | 80.2 | | |
| (0. RAD/SEC) | 250 | 71.2 | 72.5 | 73.7 | 76.8 | 78.7 | 79.5 | 80.8 | 81.7 | 84.2 | 87.0 | 87.1 | 87.0 | 84.5 | 79.5 | | |
| NFD 0. RPM | 315 | 70.1 | 73.0 | 74.7 | 74.9 | 77.6 | 79.8 | 80.6 | 81.9 | 84.5 | 87.7 | 86.0 | 86.6 | 83.2 | 78.7 | | |
| (0. RAD/SEC) | 400 | 68.8 | 72.7 | 74.4 | 75.4 | 77.6 | 78.6 | 79.9 | 81.1 | 83.8 | 86.3 | 85.8 | 84.9 | 83.1 | 78.3 | | |
| AIRFLOW RATIO | 500 | 67.6 | 71.6 | 73.1 | 74.2 | 76.9 | 78.1 | 79.3 | 80.7 | 83.6 | 85.6 | 84.4 | 83.4 | 82.2 | 76.5 | | |
| WF/KM 8.00 | 630 | 67.8 | 72.0 | 73.4 | 74.3 | 76.2 | 77.5 | 79.3 | 80.7 | 83.7 | 85.2 | 84.0 | 83.9 | 81.6 | 74.9 | | |
| | 800 | 68.6 | 74.1 | 74.8 | 75.4 | 76.8 | 77.5 | 78.3 | 80.1 | 83.0 | 83.7 | 82.9 | 83.0 | 80.4 | 71.8 | | |
| VEHICLE JENOTS | 1000 | 68.2 | 75.0 | 76.9 | 77.0 | 77.8 | 77.2 | 77.5 | 79.0 | 81.5 | 82.7 | 81.1 | 81.2 | 78.4 | 70.3 | | |
| CONFIG JE+055 | 1250 | 64.6 | 72.5 | 75.6 | 78.4 | 79.2 | 77.0 | 76.6 | 77.7 | 80.4 | 81.3 | 79.6 | 79.5 | 75.1 | 67.0 | | |
| LOC EVENDALE | 1600 | 59.2 | 68.0 | 71.6 | 74.5 | 77.6 | 77.3 | 76.0 | 75.7 | 77.7 | 79.1 | 77.0 | 76.3 | 71.5 | 61.0 | | |
| DATE 04-16-75 | 2000 | 55.0 | 64.4 | 68.0 | 70.8 | 74.0 | 74.6 | 74.7 | 73.9 | 75.2 | 75.5 | 74.0 | 72.7 | 66.8 | 55.3 | | |
| RUN DBTF-MODEL 7 | 2500 | 48.5 | 59.2 | 64.3 | 66.8 | 69.4 | 69.7 | 71.1 | 71.3 | 71.9 | 71.3 | 69.7 | 67.1 | 60.7 | 47.1 | | |
| TARE X70300 | 3150 | 39.4 | 51.9 | 57.5 | 61.9 | 64.5 | 65.6 | 66.6 | 66.0 | 66.4 | 65.8 | 62.8 | 59.3 | 52.2 | 35.4 | | |
| FAN TIP SPEED | 4000 | 26.0 | 40.7 | 47.9 | 53.0 | 56.0 | 58.6 | 59.3 | 59.1 | 58.4 | 57.2 | 54.8 | 49.2 | 39.3 | 16.8 | | |
| FT/SEC | 5000 | 17.9 | 34.7 | 42.6 | 48.0 | 51.5 | 52.5 | 53.7 | 53.1 | 53.3 | 51.6 | 48.5 | 42.5 | 31.1 | 6.3 | | |
| | 6300 | | 18.2 | 29.0 | 35.5 | 39.4 | 41.1 | 42.5 | 42.4 | 41.7 | 40.3 | 35.6 | 26.8 | 12.0 | | | |
| | 8000 | | | 9.5 | 18.3 | 22.9 | 25.5 | 27.8 | 26.8 | 25.4 | 25.5 | 17.2 | 4.1 | | | | |
| | 10000 | | | | | 1.2 | 4.6 | 7.1 | 6.4 | 3.5 | 6.9 | | | | | | |
| OVERALL BALCU | LATED | 81.5 | 84.6 | 86.6 | 87.6 | 89.5 | 90.2 | 91.6 | 92.6 | 95.2 | 97.6 | 98.0 | 99.7 | 98.8 | 94.1 | | |
| PND8 | | 84.5 | 89.9 | 92.6 | 94.7 | 97.2 | 97.5 | 98.1 | 98.4 | 100.6 | 102.6 | 102.0 | 102.0 | 99.6 | 94.6 | | |

| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|------|-------------|-------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| | | | (0.72) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| | | | 50 | 94.2 | 91.5 | 93.1 | 94.2 | 94.7 | 96.0 | 97.6 | 99.6 | 101.8 | 103.3 | 107.5 | 113.3 | 117.2 | 113.4 | | | 166.5 |
| | | | 63 | 97.1 | 96.6 | 96.8 | 95.5 | 96.7 | 97.4 | 99.5 | 101.7 | 103.4 | 105.2 | 111.0 | 117.6 | 119.6 | 116.1 | | | 169.4 |
| | | | 81 | 99.3 | 98.4 | 97.9 | 97.2 | 97.2 | 98.0 | 100.1 | 102.1 | 104.7 | 107.2 | 112.7 | 116.6 | 120.1 | 116.3 | | | 169.7 |
| | | | 100 | 99.0 | 98.2 | 99.6 | 98.8 | 99.3 | 99.5 | 100.4 | 105.1 | 106.7 | 110.4 | 113.7 | 116.0 | 119.1 | 119.5 | | | 170.2 |
| | | | 125 | 101.8 | 98.4 | 100.5 | 99.1 | 98.8 | 100.7 | 102.2 | 104.3 | 106.6 | 111.1 | 113.2 | 112.9 | 116.8 | 116.7 | | | 168.5 |
| | | | 160 | 103.2 | 99.7 | 99.9 | 99.8 | 101.5 | 100.9 | 102.9 | 105.2 | 107.2 | 111.4 | 114.3 | 114.7 | 116.9 | 115.4 | | | 169.0 |
| | | | 200 | 99.8 | 100.0 | 99.9 | 100.0 | 101.8 | 102.5 | 104.6 | 106.0 | 107.9 | 111.0 | 113.1 | 114.0 | 116.4 | 114.7 | | | 168.5 |
| | | | 250 | 101.9 | 100.6 | 99.6 | 101.7 | 102.0 | 102.6 | 103.3 | 106.1 | 108.5 | 111.7 | 113.4 | 115.5 | 117.9 | 114.3 | | | 169.4 |
| | | | 315 | 102.1 | 101.1 | 101.0 | 100.0 | 102.9 | 102.5 | 103.7 | 106.5 | 109.6 | 112.1 | 113.6 | 116.5 | 116.7 | 112.8 | | | 169.4 |
| | | | 400 | 102.4 | 102.5 | 101.6 | 101.6 | 101.4 | 102.7 | 103.9 | 106.5 | 109.4 | 111.5 | 114.5 | 117.2 | 115.9 | 111.2 | | | 169.4 |
| | | | 500 | 102.6 | 104.1 | 102.7 | 101.7 | 101.8 | 103.6 | 104.3 | 106.4 | 109.7 | 111.6 | 114.2 | 116.2 | 113.7 | 109.9 | | | 168.9 |
| | | | 630 | 101.9 | 104.2 | 104.3 | 104.3 | 102.5 | 103.0 | 104.5 | 107.2 | 110.0 | 111.7 | 114.7 | 115.3 | 112.4 | 108.5 | | | 168.9 |
| | | | 800 | 101.1 | 102.6 | 103.6 | 105.7 | 106.0 | 104.0 | 104.2 | 107.0 | 108.9 | 111.0 | 113.7 | 114.0 | 111.7 | 106.9 | | | 168.2 |
| | | | 1000 | 100.3 | 102.3 | 102.3 | 104.3 | 105.6 | 105.6 | 104.5 | 106.7 | 108.6 | 110.2 | 112.7 | 113.0 | 110.9 | 106.9 | | | 167.7 |
| | | | 1250 | 99.8 | 102.3 | 102.3 | 103.6 | 104.1 | 105.2 | 104.8 | 106.6 | 109.2 | 109.0 | 112.0 | 111.3 | 110.0 | 105.9 | | | 167.0 |
| | | | 1600 | 98.1 | 101.1 | 102.2 | 103.7 | 103.6 | 103.6 | 105.4 | 106.2 | 107.4 | 108.5 | 110.7 | 110.4 | 109.1 | 104.5 | | | 166.4 |
| | | | 2000 | 96.4 | 100.0 | 100.5 | 102.0 | 103.5 | 103.0 | 103.8 | 105.8 | 106.4 | 106.8 | 108.9 | 109.5 | 107.7 | 102.8 | | | 165.4 |
| | | | 2500 | 94.8 | 98.4 | 98.6 | 100.9 | 101.9 | 101.3 | 102.0 | 104.0 | 105.1 | 105.6 | 107.3 | 107.3 | 105.8 | 100.9 | | | 164.0 |
| | | | 3150 | 92.4 | 96.6 | 97.6 | 99.2 | 99.0 | 100.0 | 100.4 | 102.4 | 102.9 | 103.7 | 105.2 | 105.3 | 104.7 | 98.9 | | | 162.6 |
| | | | 4000 | 89.6 | 93.7 | 94.9 | 96.2 | 95.7 | 97.8 | 98.1 | 100.0 | 99.9 | 101.1 | 103.0 | 103.4 | 102.2 | 96.3 | | | 160.9 |
| | | | 5000 | 87.6 | 92.1 | 92.8 | 94.9 | 93.9 | 95.0 | 95.4 | 96.9 | 98.0 | 98.3 | 100.9 | 100.9 | 100.1 | 95.3 | | | 158.9 |
| | | | 6300 | 84.6 | 89.0 | 90.3 | 91.3 | 90.5 | 92.3 | 92.8 | 94.5 | 95.3 | 96.2 | 98.9 | 99.6 | 99.0 | 94.3 | | | 158.1 |
| | | | 8000 | 82.0 | 86.2 | 86.6 | 88.5 | 87.3 | 89.8 | 90.1 | 92.4 | 93.4 | 94.5 | 97.6 | 96.0 | 98.5 | 94.8 | | | 158.4 |
| | | | 10000 | 79.2 | 82.3 | 83.3 | 85.6 | 83.9 | 86.7 | 88.0 | 91.5 | 90.9 | 94.4 | 97.4 | 98.7 | 98.4 | 95.9 | | | 160.6 |
| | | | OVERALL CALCULATED | 112.8 | 113.7 | 113.8 | 114.6 | 114.8 | 115.3 | 116.1 | 118.4 | 120.4 | 122.8 | 125.4 | 127.3 | 128.6 | 126.1 | | | 181.2 |
| | | | PNDB | 121.2 | 123.5 | 123.9 | 125.3 | 125.5 | 126.0 | 126.7 | 128.8 | 130.2 | 131.7 | 134.0 | 134.8 | 134.4 | 135.8 | | | 182.5 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F; 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 0' | 0' | 0' |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) |
| REV. ALPHA 12/73 | FREQ. | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 0' | 0' | 0' |
| NO EGA | 30 | 72.3 | 69.9 | 73.0 | 75.2 | 76.4 | 78.2 | 79.9 | 81.8 | 83.6 | 85.2 | 87.5 | 91.7 | 93.4 | 86.1 | | | |
| SIDELINE 2400 FT. | 60 | 73.1 | 74.9 | 76.7 | 76.5 | 78.5 | 79.5 | 81.8 | 83.9 | 85.2 | 87.2 | 90.9 | 96.0 | 95.6 | 88.6 | | | |
| (731.52 M) | 100 | 74.8 | 76.3 | 79.4 | 79.6 | 80.9 | 81.6 | 82.6 | 87.1 | 88.4 | 91.3 | 93.5 | 94.2 | 95.0 | 91.7 | | | |
| NFA 0. RPM | 125 | 77.5 | 76.4 | 80.2 | 80.0 | 80.3 | 82.7 | 84.3 | 86.3 | 88.2 | 91.9 | 92.9 | 90.9 | 92.5 | 88.6 | | | |
| (0. RAD/SEC) | 160 | 75.7 | 77.6 | 79.4 | 80.9 | 81.9 | 82.8 | 84.9 | 87.1 | 88.6 | 92.1 | 93.9 | 92.6 | 92.4 | 87.1 | | | |
| NFK 0. RPM | 200 | 75.0 | 77.7 | 79.3 | 81.3 | 82.2 | 84.3 | 85.9 | 87.8 | 89.2 | 91.6 | 92.5 | 91.7 | 91.6 | 86.0 | | | |
| (0. RAD/SEC) | 250 | 76.7 | 78.0 | 78.7 | 82.1 | 83.2 | 84.2 | 85.1 | 87.7 | 89.7 | 92.0 | 92.6 | 93.0 | 92.7 | 85.1 | | | |
| NFD 0. RPM | 315 | 76.5 | 78.2 | 80.0 | 80.1 | 81.8 | 83.9 | 85.3 | 87.9 | 90.5 | 92.3 | 92.5 | 93.6 | 91.2 | 82.9 | | | |
| (0. RAD/SEC) | 400 | 76.3 | 79.2 | 80.2 | 81.4 | 82.1 | 83.8 | 85.2 | 87.6 | 90.1 | 91.3 | 92.6 | 93.9 | 89.8 | 80.5 | | | |
| AIRFLOW RATIO | 500 | 75.8 | 80.3 | 80.8 | 81.2 | 82.2 | 83.8 | 85.3 | 87.2 | 90.1 | 91.0 | 92.4 | 92.4 | 87.0 | 78.3 | | | |
| WF/HM 0.00 | 600 | 74.3 | 79.7 | 81.9 | 83.3 | 82.4 | 83.5 | 85.1 | 87.6 | 89.9 | 90.7 | 92.3 | 90.9 | 84.8 | 75.6 | | | |
| | 800 | 71.3 | 77.3 | 80.5 | 84.1 | 85.3 | 83.9 | 84.3 | 86.8 | 88.2 | 89.4 | 90.6 | 88.7 | 82.9 | 72.3 | | | |
| VEHICLE JE10TS | 1000 | 70.2 | 76.7 | 78.4 | 82.0 | 84.2 | 84.9 | 84.0 | 86.3 | 87.2 | 87.8 | 88.8 | 86.7 | 80.8 | 70.3 | | | |
| CONFIG JE*055 | 1250 | 68.0 | 74.6 | 77.3 | 80.3 | 81.9 | 83.7 | 83.5 | 85.1 | 86.1 | 85.7 | 87.0 | 83.7 | 78.2 | 66.7 | | | |
| LCC EVENDALE | 1600 | 63.9 | 71.6 | 75.7 | 79.1 | 80.2 | 81.1 | 82.9 | 83.5 | 84.0 | 83.9 | 84.1 | 80.9 | 74.9 | 61.7 | | | |
| DATE 04-21-75 | 2000 | 59.3 | 68.3 | 72.1 | 75.8 | 78.6 | 78.9 | 80.0 | 81.8 | 81.5 | 80.6 | 80.6 | 77.8 | 70.6 | 55.7 | | | |
| RUN DBTF-MODEL 7 | 2500 | 53.5 | 63.5 | 67.6 | 72.4 | 74.0 | 75.3 | 76.2 | 78.0 | 78.2 | 77.1 | 76.5 | 72.4 | 64.5 | 47.4 | | | |
| TARE X70310 | 3100 | 44.4 | 56.6 | 62.4 | 67.1 | 68.7 | 70.8 | 71.5 | 73.2 | 72.6 | 71.5 | 69.9 | 65.3 | 56.6 | 35.4 | | | |
| FAN TIP SPEED | 4000 | 31.5 | 45.9 | 53.4 | 58.5 | 60.4 | 63.8 | 64.5 | 66.0 | 64.6 | 63.4 | 61.5 | 55.7 | 44.1 | 17.8 | | | |
| FT/SEC | 5000 | 23.6 | 39.9 | 47.6 | 54.0 | 55.7 | 58.2 | 59.2 | 60.1 | 59.7 | 57.4 | 55.2 | 48.7 | 36.1 | 8.0 | | | |
| | 6000 | 3.4 | 23.7 | 34.2 | 41.0 | 43.7 | 47.4 | 48.5 | 49.6 | 48.5 | 45.8 | 42.9 | 34.3 | 17.8 | | | | |
| | 8000 | | 0.8 | 14.0 | 23.8 | 27.4 | 32.5 | 33.5 | 35.0 | 33.4 | 29.8 | 25.0 | 12.6 | | | | | |
| OVERALL CALCULATED | 10000 | 86.6 | 89.3 | 91.3 | 93.0 | 94.1 | 95.2 | 96.4 | 98.6 | 100.4 | 102.3 | 103.7 | 104.3 | 103.7 | 67.6 | | | |
| PNDB | | 90.4 | 94.8 | 97.2 | 99.9 | 101.2 | 102.3 | 103.6 | 105.3 | 106.4 | 107.5 | 108.5 | 108.3 | 105.3 | 97.8 | | | |

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | |
| RDG. NO. 0 | 50 | 81.9 | 81.2 | 87.0 | 84.1 | 85.9 | 85.4 | 87.0 | 88.3 | 90.0 | 92.3 | 90.2 | 98.8 | 101.4 | 101.1 | 101.1 | 101.1 | 152.2 |
| NO EGA | 63 | 83.5 | 85.0 | 86.3 | 85.5 | 86.4 | 87.3 | 89.2 | 89.7 | 92.2 | 92.9 | 94.2 | 102.1 | 102.5 | 99.5 | 99.5 | 99.5 | 153.7 |
| RADIAL 320, FT. | 80 | 84.6 | 87.7 | 87.9 | 86.7 | 87.2 | 87.5 | 89.8 | 90.6 | 92.2 | 93.2 | 94.9 | 101.1 | 101.4 | 100.5 | 100.5 | 100.5 | 153.4 |
| (98, M) | 100 | 84.9 | 87.1 | 88.1 | 88.2 | 88.7 | 88.7 | 89.9 | 92.4 | 93.5 | 96.7 | 97.4 | 101.0 | 99.4 | 101.2 | 101.2 | 101.2 | 154.0 |
| VEHICLE JENOTS | 125 | 87.5 | 87.4 | 89.7 | 88.6 | 89.2 | 89.9 | 90.2 | 93.3 | 93.9 | 96.6 | 97.4 | 100.9 | 98.8 | 96.9 | 96.9 | 96.9 | 153.7 |
| CONFIG JENOTS | 160 | 86.7 | 88.2 | 88.4 | 88.8 | 89.5 | 89.9 | 91.7 | 94.2 | 94.4 | 96.9 | 98.8 | 101.2 | 98.7 | 95.7 | 95.7 | 95.7 | 154.1 |
| LOC EVENDALE | 200 | 87.0 | 89.7 | 88.7 | 89.7 | 90.3 | 91.0 | 92.3 | 94.0 | 94.8 | 97.0 | 98.3 | 101.0 | 97.9 | 95.0 | 95.0 | 95.0 | 154.0 |
| DATE 04-15-75 | 250 | 88.3 | 89.3 | 88.3 | 90.7 | 91.0 | 91.6 | 91.5 | 92.8 | 94.7 | 96.6 | 98.4 | 100.8 | 98.3 | 95.8 | 95.8 | 95.8 | 154.0 |
| RUN DBTF-MODEL 7 | 315 | 87.6 | 90.3 | 90.0 | 89.7 | 90.1 | 90.9 | 92.0 | 93.4 | 95.1 | 97.3 | 97.8 | 100.4 | 98.2 | 95.5 | 95.5 | 95.5 | 154.0 |
| TAPE X70330 | 400 | 87.1 | 89.4 | 89.8 | 90.3 | 90.9 | 91.6 | 91.8 | 93.4 | 95.1 | 97.4 | 97.7 | 99.9 | 98.4 | 95.7 | 95.7 | 95.7 | 154.0 |
| BAR 29.9 HG | 500 | 87.0 | 90.3 | 89.3 | 89.4 | 90.7 | 91.4 | 92.0 | 93.3 | 95.4 | 97.2 | 96.4 | 98.4 | 96.9 | 95.1 | 95.1 | 95.1 | 153.4 |
| (01039, N/42) | 630 | 88.3 | 91.4 | 91.0 | 90.9 | 90.9 | 91.2 | 92.4 | 94.4 | 96.2 | 98.6 | 97.6 | 98.7 | 96.8 | 94.7 | 94.7 | 94.7 | 154.2 |
| TAMB 59, DEG F | 800 | 90.2 | 94.8 | 93.2 | 92.8 | 92.3 | 92.1 | 91.6 | 93.3 | 95.2 | 98.1 | 97.8 | 99.1 | 97.8 | 96.0 | 96.0 | 96.0 | 154.7 |
| (288, DEG K) | 1000 | 91.8 | 96.1 | 94.4 | 95.1 | 94.9 | 92.4 | 92.5 | 92.8 | 94.9 | 97.2 | 97.8 | 99.3 | 98.0 | 97.5 | 97.5 | 97.5 | 155.1 |
| TWET 53, DEG F | 1250 | 94.3 | 98.8 | 97.5 | 96.8 | 96.0 | 94.9 | 92.6 | 92.9 | 94.7 | 95.7 | 96.7 | 98.1 | 97.5 | 97.9 | 97.9 | 97.9 | 155.8 |
| (285, DEG K) | 1600 | 92.3 | 97.3 | 97.9 | 99.1 | 99.0 | 95.8 | 93.8 | 93.4 | 93.6 | 95.0 | 95.4 | 97.3 | 96.3 | 96.2 | 96.2 | 96.2 | 156.2 |
| HACT 8.91 GM/M3 | 2000 | 89.3 | 94.6 | 95.1 | 97.4 | 99.1 | 97.4 | 95.0 | 93.5 | 93.2 | 93.9 | 94.3 | 95.4 | 94.9 | 95.2 | 95.2 | 95.2 | 156.4 |
| (00891 KG/M3) | 2500 | 87.2 | 91.7 | 92.4 | 94.2 | 95.0 | 94.7 | 94.8 | 93.3 | 92.7 | 93.0 | 91.9 | 93.1 | 92.4 | 92.7 | 92.7 | 92.7 | 153.7 |
| FREQ. SHIFT | 3150 | 85.1 | 90.5 | 91.3 | 93.2 | 92.2 | 93.2 | 93.3 | 93.8 | 94.1 | 92.6 | 90.3 | 90.5 | 90.3 | 90.8 | 90.8 | 90.8 | 153.2 |
| JET 9 | 4000 | 81.8 | 87.6 | 87.9 | 89.4 | 89.7 | 90.7 | 90.5 | 91.0 | 90.9 | 90.6 | 88.5 | 87.9 | 88.2 | 87.6 | 87.6 | 87.6 | 151.1 |
| DIAMETER RATIO | 5000 | 78.9 | 84.9 | 85.9 | 87.7 | 87.5 | 86.8 | 87.2 | 87.1 | 87.2 | 87.5 | 86.0 | 84.6 | 84.6 | 85.8 | 85.8 | 85.8 | 148.3 |
| DF/DM 8.00 | 6300 | 75.7 | 81.1 | 83.1 | 84.4 | 84.3 | 84.6 | 84.4 | 84.6 | 84.3 | 84.0 | 83.5 | 82.2 | 81.8 | 82.1 | 82.1 | 82.1 | 146.8 |
| | 8000 | 72.6 | 77.5 | 79.9 | 81.4 | 80.4 | 80.7 | 80.9 | 82.0 | 81.7 | 80.9 | 80.4 | 78.9 | 79.6 | 79.6 | 79.6 | 79.6 | 145.5 |
| | 10000 | 68.5 | 72.4 | 76.2 | 77.9 | 77.4 | 78.3 | 78.1 | 79.8 | 78.2 | 78.0 | 78.5 | 78.0 | 77.0 | 77.5 | 77.5 | 77.5 | 145.4 |
| OVERALL CALCULATED | | 101.6 | 105.5 | 105.3 | 106.0 | 106.3 | 105.5 | 105.2 | 106.0 | 107.2 | 109.0 | 109.5 | 112.3 | 111.3 | 110.1 | 110.1 | 110.1 | 167.3 |
| PND8 | | 112.0 | 116.4 | 116.8 | 117.9 | 118.7 | 117.9 | 117.6 | 117.9 | 118.5 | 118.9 | 118.4 | 120.0 | 119.1 | 118.6 | 118.6 | 118.6 | 168.6 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|--------------------|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|-----|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0, | (0, | (0, |
| REV, ALPHA 12/73 | FREQ, | | | | | | | | | | | | | | | | | |
| | 50 | 58,0 | 59,6 | 67,0 | 65,2 | 67,7 | 67,7 | 69,4 | 70,5 | 71,8 | 73,4 | 70,2 | 77,2 | 77,6 | 73,8 | | | |
| NO EGA | 63 | 59,6 | 63,4 | 66,2 | 66,5 | 68,2 | 69,5 | 71,5 | 71,9 | 73,9 | 73,9 | 74,1 | 80,4 | 78,6 | 72,1 | | | |
| SIDELINE 2400, FT, | 80 | 60,5 | 66,0 | 67,8 | 67,7 | 69,4 | 69,6 | 72,1 | 72,7 | 73,9 | 74,2 | 74,8 | 79,3 | 77,4 | 73,0 | | | |
| (731,52 M) | 100 | 60,8 | 65,3 | 67,9 | 69,1 | 70,4 | 70,8 | 72,1 | 74,4 | 75,2 | 77,6 | 77,2 | 79,2 | 75,3 | 73,4 | | | |
| NFA | 0, RPM | 125 | 63,2 | 65,4 | 69,4 | 69,4 | 70,8 | 71,9 | 73,0 | 75,3 | 75,4 | 77,4 | 77,1 | 78,9 | 74,5 | 68,9 | | |
| (| 0, RAD/SEC) | 160 | 62,2 | 66,0 | 67,9 | 69,5 | 70,9 | 71,8 | 73,7 | 76,1 | 75,9 | 77,6 | 78,4 | 79,1 | 74,1 | 67,3 | | |
| NFK | 0, RPM | 200 | 62,2 | 67,4 | 68,0 | 70,3 | 71,6 | 72,7 | 74,2 | 75,7 | 76,2 | 77,5 | 77,7 | 78,6 | 73,1 | 66,2 | | |
| (| 0, RAD/SEC) | 250 | 63,2 | 66,8 | 67,4 | 71,0 | 72,1 | 73,2 | 73,3 | 74,4 | 75,9 | 77,0 | 77,6 | 78,2 | 73,2 | 66,5 | | |
| NFD | 0, RPM | 315 | 62,0 | 67,4 | 68,9 | 69,9 | 71,1 | 72,3 | 73,5 | 74,8 | 76,0 | 77,5 | 76,7 | 77,6 | 72,6 | 65,6 | | |
| (| 0, RAD/SEC) | 400 | 61,0 | 66,1 | 68,4 | 70,1 | 71,6 | 72,8 | 73,1 | 74,6 | 75,8 | 77,2 | 76,3 | 76,6 | 72,3 | 65,0 | | |
| AIRFLOW RATIO | 500 | 60,2 | 66,5 | 67,5 | 68,9 | 71,1 | 72,2 | 72,9 | 74,1 | 75,7 | 76,7 | 74,5 | 74,6 | 70,1 | 63,4 | | | |
| WF/WM 8,00 | 630 | 60,7 | 66,9 | 68,6 | 69,9 | 70,8 | 71,6 | 73,0 | 74,8 | 76,1 | 77,6 | 75,2 | 74,3 | 69,2 | 61,7 | | | |
| | 800 | 61,4 | 69,4 | 70,1 | 71,2 | 71,7 | 72,0 | 71,6 | 73,2 | 75,1 | 76,5 | 74,7 | 73,8 | 69,0 | 61,4 | | | |
| VEHICLE JENOTS | 1000 | 61,7 | 69,8 | 70,4 | 72,8 | 73,5 | 71,7 | 72,0 | 72,0 | 73,5 | 74,9 | 73,8 | 73,0 | 67,9 | 60,8 | | | |
| CONFIG JE-054 | 1250 | 62,5 | 71,1 | 72,5 | 73,6 | 73,9 | 73,4 | 71,2 | 71,3 | 72,5 | 72,4 | 71,7 | 70,4 | 65,7 | 58,7 | | | |
| LOC EVENDALE | 1600 | 58,0 | 67,8 | 71,4 | 74,5 | 75,6 | 73,1 | 71,3 | 70,7 | 70,2 | 70,4 | 68,8 | 67,8 | 62,0 | 53,3 | | | |
| DATE 04-15-75 | 2000 | 52,2 | 62,9 | 66,8 | 71,2 | 74,3 | 73,3 | 71,2 | 69,4 | 68,4 | 67,7 | 66,0 | 63,9 | 57,7 | 48,1 | | | |
| RUN DBE-MODEL 7 | 2500 | 45,9 | 56,8 | 61,4 | 65,7 | 68,1 | 68,7 | 69,0 | 67,3 | 65,8 | 64,5 | 60,9 | 58,2 | 51,1 | 39,3 | | | |
| TAPE X70330 | 3150 | 37,0 | 50,5 | 56,1 | 61,0 | 62,6 | 63,9 | 64,4 | 64,6 | 63,8 | 60,5 | 55,1 | 50,5 | 42,3 | 27,3 | | | |
| FAN TIP SPEED | 4000 | 23,7 | 39,9 | 46,4 | 51,7 | 54,4 | 56,7 | 57,0 | 57,0 | 55,6 | 52,9 | 46,9 | 40,1 | 30,0 | 9,0 | | | |
| FT/SEC | 5000 | 14,9 | 32,7 | 40,6 | 46,8 | 49,2 | 50,0 | 50,9 | 50,4 | 49,0 | 46,6 | 40,8 | 32,5 | 20,6 | | | | |
| | 6300 | | 15,8 | 27,1 | 34,1 | 37,5 | 39,7 | 40,1 | 39,7 | 37,5 | 33,7 | 27,5 | 16,9 | 0,6 | | | | |
| | 8000 | | | 7,3 | 16,7 | 20,5 | 23,3 | 24,4 | 24,6 | 21,7 | 16,1 | 7,8 | | | | | | |
| | 10000 | | | | | | 3,6 | 4,5 | 5,1 | | | | | | | | | |
| OVERALL CALCULATED | | 73,4 | 79,4 | 81,3 | 83,0 | 84,4 | 84,4 | 84,9 | 86,1 | 87,0 | 88,3 | 87,7 | 89,3 | 85,9 | 80,7 | | | |
| PND8 | | 78,3 | 86,4 | 89,4 | 92,2 | 93,8 | 93,6 | 93,0 | 92,9 | 93,0 | 93,7 | 92,3 | 92,5 | 87,7 | 80,4 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-------|--|
| REV. ALPHA 12/73 FREQ. | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | | |
| RDG. NO. EGA | | 50 | 85.9 | 85.2 | 90.3 | 87.4 | 88.4 | 88.9 | 90.5 | 92.1 | 94.8 | 97.3 | 96.5 | 104.8 | 108.2 | 106.6 | | | 158.0 | |
| RDG. NO. 01 | | 63 | 88.3 | 89.1 | 89.8 | 88.8 | 90.2 | 90.9 | 93.2 | 94.2 | 96.4 | 97.7 | 99.2 | 107.6 | 107.8 | 105.0 | | | 158.9 | |
| RADIAL 320, FT. | | 80 | 88.3 | 90.7 | 91.4 | 90.2 | 91.4 | 91.5 | 93.6 | 94.6 | 96.9 | 98.4 | 101.9 | 107.3 | 107.9 | 106.3 | | | 159.3 | |
| (98, M) | | 100 | 88.9 | 90.9 | 91.4 | 91.7 | 92.5 | 93.0 | 94.1 | 96.4 | 98.5 | 101.7 | 103.9 | 106.0 | 105.2 | 105.9 | | | 159.1 | |
| VEHICLE JENOTS | | 125 | 91.3 | 91.6 | 92.7 | 92.1 | 93.2 | 94.2 | 95.9 | 97.3 | 99.6 | 103.3 | 104.4 | 106.6 | 104.1 | 102.4 | | | 159.4 | |
| CONFIG JENOTS | | 160 | 91.5 | 92.2 | 93.1 | 93.8 | 94.0 | 94.9 | 96.4 | 98.7 | 99.7 | 103.6 | 106.1 | 107.7 | 104.4 | 101.9 | | | 160.3 | |
| LOC EVENDALE | | 200 | 91.3 | 93.7 | 92.9 | 94.5 | 94.6 | 95.7 | 97.8 | 98.7 | 101.1 | 104.2 | 105.3 | 107.2 | 104.6 | 102.0 | | | 160.3 | |
| DATE 04-15-73 | | 250 | 92.8 | 93.8 | 92.5 | 95.4 | 96.2 | 96.9 | 97.0 | 98.1 | 101.2 | 104.1 | 105.4 | 108.0 | 105.8 | 103.8 | | | 160.8 | |
| RUN DBTF-MODEL 7 | | 315 | 92.6 | 94.6 | 94.5 | 94.2 | 94.6 | 96.2 | 97.2 | 99.2 | 101.6 | 105.1 | 104.8 | 107.9 | 105.9 | 104.0 | | | 160.9 | |
| TAPE X70340 | | 400 | 93.8 | 95.9 | 95.1 | 95.5 | 95.9 | 96.4 | 97.3 | 99.2 | 101.6 | 105.2 | 105.2 | 107.9 | 106.9 | 105.7 | | | 161.4 | |
| BAR 29.9 HG | | 500 | 96.0 | 98.8 | 97.8 | 96.6 | 96.7 | 97.2 | 98.0 | 99.8 | 102.1 | 105.0 | 104.6 | 107.4 | 107.1 | 107.1 | | | 161.6 | |
| (01039, N/MR) | | 630 | 99.3 | 103.1 | 101.2 | 98.7 | 97.9 | 96.7 | 98.1 | 100.6 | 102.9 | 105.3 | 104.3 | 108.0 | 107.6 | 106.7 | | | 162.4 | |
| TAMB 59, DEG F | | 800 | 97.7 | 103.8 | 104.2 | 104.3 | 102.6 | 99.6 | 98.6 | 100.6 | 102.5 | 104.4 | 104.3 | 107.6 | 107.3 | 106.0 | | | 163.0 | |
| (288, DEGLK) | | 1000 | 95.8 | 100.6 | 101.1 | 103.9 | 105.6 | 103.7 | 99.8 | 100.5 | 102.6 | 104.2 | 104.0 | 106.6 | 106.7 | 106.2 | | | 163.1 | |
| TWET 53, DEG F | | 1250 | 95.8 | 99.8 | 100.5 | 101.6 | 103.0 | 104.0 | 102.3 | 101.6 | 102.5 | 103.7 | 103.5 | 105.6 | 106.8 | 104.9 | | | 162.7 | |
| (285, DEGLK) | | 1600 | 94.0 | 99.3 | 100.4 | 101.1 | 101.3 | 100.8 | 102.3 | 101.9 | 101.9 | 103.0 | 102.6 | 104.6 | 104.8 | 103.2 | | | 161.8 | |
| HACT 8.91 GM/M3 | | 2000 | 91.8 | 97.4 | 98.4 | 100.2 | 101.9 | 100.1 | 100.5 | 101.7 | 101.5 | 101.7 | 101.3 | 103.1 | 103.6 | 101.7 | | | 161.0 | |
| (,00891 KG/M3) | | 2500 | 90.5 | 96.0 | 96.7 | 98.3 | 99.0 | 98.7 | 98.8 | 99.9 | 100.7 | 100.5 | 99.6 | 101.1 | 101.2 | 99.2 | | | 159.6 | |
| FREQ. SHIFT | | 3150 | 87.6 | 93.3 | 94.6 | 96.0 | 96.5 | 96.5 | 97.1 | 97.9 | 99.1 | 98.7 | 97.1 | 98.5 | 98.9 | 97.3 | | | 157.9 | |
| JET 9 | | 4000 | 84.6 | 90.2 | 91.5 | 93.0 | 93.3 | 94.3 | 94.6 | 95.6 | 95.7 | 96.2 | 95.6 | 96.2 | 97.0 | 94.4 | | | 156.1 | |
| DIAMETER. RATIO | | 5000 | 82.2 | 87.9 | 89.2 | 91.0 | 90.8 | 90.8 | 91.3 | 92.2 | 93.1 | 93.4 | 92.3 | 92.7 | 94.4 | 92.7 | | | 153.6 | |
| DF/DM 8.00 | | 6300 | 79.2 | 84.9 | 86.2 | 87.5 | 87.1 | 87.7 | 88.2 | 89.2 | 89.7 | 91.1 | 90.8 | 90.3 | 92.1 | 90.7 | | | 152.1 | |
| | | 8000 | 75.9 | 81.4 | 83.0 | 84.7 | 84.0 | 84.8 | 84.5 | 86.1 | 86.3 | 88.9 | 89.0 | 88.4 | 90.4 | 88.7 | | | 151.4 | |
| OVERALL CALCULATED | | 10000 | 73.6 | 78.2 | 79.5 | 80.8 | 80.8 | 81.9 | 81.7 | 83.6 | 83.3 | 89.5 | 87.3 | 88.1 | 89.6 | 87.8 | | | 152.6 | |
| PNDB | | | 119.7 | 120.3 | 120.8 | 121.9 | 122.7 | 122.5 | 122.5 | 123.6 | 124.7 | 125.8 | 125.5 | 127.6 | 127.9 | 126.0 | | | 175.2 | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| REV: ALPHA 12/73 FREQ: | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) |
| NO EGA | | 50 | 62.0 | 63.6 | 70.3 | 68.5 | 70.2 | 71.2 | 72.9 | 74.3 | 76.6 | 78.4 | 76.5 | 83.2 | 84.3 | 79.3 | |
| SIDELINE 2400. FT. | | 63 | 64.4 | 67.4 | 69.7 | 69.8 | 71.9 | 73.0 | 75.5 | 76.4 | 78.2 | 78.7 | 79.1 | 85.2 | 83.9 | 77.6 | |
| (731.52 M) | | 80 | 64.3 | 69.0 | 71.3 | 71.2 | 73.1 | 73.6 | 75.9 | 76.7 | 78.6 | 79.4 | 81.8 | 85.6 | 83.9 | 78.7 | |
| NFA 0. RPM | | 100 | 64.8 | 69.1 | 71.2 | 72.6 | 74.1 | 75.1 | 76.3 | 78.4 | 80.2 | 82.6 | 83.7 | 84.2 | 81.0 | 78.2 | |
| NFK 0. RPM | | 125 | 67.0 | 69.6 | 72.4 | 72.9 | 74.8 | 76.1 | 78.0 | 79.3 | 81.2 | 84.1 | 84.1 | 84.7 | 79.8 | 74.4 | |
| NFD 0. RPM | | 160 | 66.9 | 70.0 | 72.6 | 74.5 | 75.4 | 76.8 | 78.4 | 80.6 | 81.1 | 84.3 | 85.6 | 85.6 | 79.9 | 73.6 | |
| NFD 0. RPM | | 200 | 66.5 | 71.4 | 72.3 | 75.0 | 75.9 | 77.5 | 79.7 | 80.5 | 82.4 | 84.8 | 84.7 | 84.9 | 79.8 | 73.2 | |
| NFD 0. RPM | | 250 | 67.7 | 71.3 | 71.7 | 75.8 | 77.4 | 78.5 | 78.8 | 79.7 | 82.4 | 84.5 | 84.6 | 85.4 | 80.7 | 74.5 | |
| NFD 0. RPM | | 315 | 67.0 | 71.7 | 73.4 | 74.4 | 75.6 | 77.6 | 78.8 | 80.6 | 82.5 | 85.2 | 83.7 | 85.1 | 80.4 | 74.1 | |
| NFD 0. RPM | | 400 | 67.7 | 72.6 | 73.5 | 75.3 | 76.6 | 77.5 | 78.6 | 80.3 | 82.3 | 85.0 | 83.8 | 84.6 | 80.8 | 75.0 | |
| AIRFLOW RATIO | | 500 | 69.2 | 75.0 | 76.0 | 76.1 | 77.1 | 78.0 | 78.9 | 80.6 | 82.5 | 84.5 | 82.8 | 83.6 | 80.4 | 75.4 | |
| WF/WB 8.00 | | 630 | 71.7 | 78.6 | 78.8 | 77.7 | 77.8 | 77.1 | 78.7 | 81.0 | 82.8 | 84.3 | 81.2 | 83.5 | 80.0 | 73.7 | |
| VEHICLE JENOTS | | 800 | 68.9 | 78.4 | 81.1 | 82.7 | 81.9 | 79.5 | 78.6 | 80.5 | 81.8 | 82.7 | 81.2 | 82.3 | 78.5 | 71.4 | |
| CONFIG JE=054 | | 1000 | 65.7 | 74.3 | 77.2 | 81.5 | 84.3 | 82.9 | 79.3 | 79.8 | 81.3 | 81.9 | 80.1 | 80.2 | 76.6 | 69.6 | |
| LOC EVENDALE | | 1250 | 64.0 | 72.1 | 75.5 | 78.3 | 80.9 | 82.4 | 81.0 | 80.1 | 80.3 | 80.5 | 78.5 | 77.9 | 75.0 | 65.7 | |
| DATE 04-15-75 | | 1600 | 59.8 | 69.8 | 73.9 | 76.5 | 77.9 | 78.1 | 79.9 | 79.2 | 78.5 | 78.4 | 76.1 | 75.1 | 70.6 | 60.4 | |
| RUN DBTE-MODEL 7 | | 2000 | 54.7 | 65.7 | 70.0 | 74.0 | 77.0 | 76.1 | 76.7 | 77.7 | 76.7 | 75.3 | 73.0 | 71.4 | 66.5 | 54.6 | |
| TAPE X70340 | | 2500 | 49.1 | 61.1 | 65.7 | 69.8 | 72.1 | 72.7 | 73.1 | 73.8 | 73.8 | 72.0 | 68.7 | 66.2 | 59.9 | 45.8 | |
| FAN TIP SPEED | | 3150 | 39.6 | 53.3 | 59.4 | 63.8 | 66.2 | 67.2 | 68.2 | 68.6 | 68.8 | 66.5 | 61.9 | 58.5 | 50.8 | 33.9 | |
| FT/SEC | | 4000 | 26.5 | 42.5 | 50.0 | 55.3 | 58.0 | 60.3 | 61.1 | 61.6 | 60.4 | 58.5 | 54.0 | 48.3 | 38.9 | 15.8 | |
| | | 5000 | 18.2 | 35.8 | 44.0 | 50.1 | 52.6 | 54.1 | 55.0 | 55.4 | 54.8 | 52.2 | 47.1 | 40.5 | 30.4 | 5.3 | |
| | | 6300 | | 19.6 | 30.2 | 37.2 | 40.3 | 42.8 | 43.9 | 44.3 | 42.9 | 40.8 | 34.8 | 25.0 | 10.9 | | |
| | | 8000 | | | 10.4 | 20.0 | 24.1 | 27.4 | 28.0 | 28.7 | 26.3 | 24.2 | 16.4 | 3.1 | | | |
| | | 10000 | | | | | 12.5 | 21.1 | 21.1 | 21.1 | 18.9 | 16.7 | | | | | |
| OVERALL CALCULATED | | | 79.0 | 85.3 | 87.2 | 89.0 | 90.4 | 90.5 | 90.8 | 91.9 | 93.3 | 95.2 | 94.6 | 96.0 | 92.8 | 87.2 | |
| PNDB | | | 84.2 | 91.5 | 94.2 | 96.4 | 98.2 | 98.4 | 99.2 | 99.8 | 100.1 | 100.9 | 99.6 | 100.2 | 96.1 | 89.4 | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL

| REV. ALPHA 12773 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | | |
| | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0,) | (0,) | (0,) | | |
| NO EGA | 50 | 84,6 | 83,2 | 80,3 | 85,6 | 87,1 | 87,7 | 89,3 | 90,8 | 93,0 | 96,3 | 95,7 | 104,8 | 108,2 | 106,8 | | | | 157,9 | |
| RDG. NO. 0 | 83 | 86,3 | 87,3 | 88,3 | 87,2 | 88,2 | 89,3 | 91,0 | 92,2 | 94,7 | 96,2 | 97,2 | 105,6 | 106,8 | 103,8 | | | | 157,3 | |
| RADIAL 320, FT. | 80 | 85,8 | 88,4 | 88,7 | 87,7 | 89,2 | 89,2 | 91,6 | 92,9 | 95,2 | 96,4 | 99,7 | 105,8 | 106,4 | 106,0 | | | | 157,8 | |
| (98, M) | 100 | 86,7 | 88,6 | 88,9 | 89,2 | 90,5 | 90,5 | 91,9 | 94,4 | 96,5 | 99,5 | 100,4 | 104,0 | 103,2 | 106,4 | | | | 157,3 | |
| VEHICLE JENOTS | 125 | 87,8 | 88,9 | 90,5 | 89,4 | 90,2 | 91,7 | 93,4 | 95,1 | 96,9 | 100,1 | 100,9 | 103,9 | 102,1 | 100,9 | | | | 156,7 | |
| CONFIG JE-054 | 160 | 88,2 | 88,9 | 89,6 | 90,5 | 91,2 | 91,4 | 94,2 | 95,7 | 96,7 | 100,4 | 102,1 | 103,7 | 101,2 | 99,4 | | | | 156,8 | |
| LOC EVENDALE | 200 | 88,0 | 90,3 | 89,4 | 90,7 | 91,6 | 92,7 | 94,3 | 95,7 | 97,8 | 99,7 | 101,3 | 103,0 | 100,4 | 97,5 | | | | 156,4 | |
| DATE 04-15-75 | 250 | 89,3 | 89,6 | 89,0 | 91,7 | 92,2 | 92,9 | 93,5 | 94,8 | 97,5 | 99,9 | 100,9 | 102,8 | 99,8 | 97,0 | | | | 156,1 | |
| RUN DBT-MODEL 7 | 315 | 88,8 | 90,6 | 90,5 | 90,0 | 91,1 | 91,9 | 93,5 | 95,2 | 97,3 | 100,1 | 100,0 | 101,9 | 98,9 | 96,8 | | | | 155,7 | |
| TAPE X70350 | 400 | 88,3 | 90,7 | 90,3 | 91,0 | 91,4 | 92,1 | 93,1 | 94,7 | 96,8 | 99,7 | 99,7 | 101,9 | 99,1 | 96,9 | | | | 155,6 | |
| BAR 29,9 HG | 500 | 87,5 | 90,3 | 89,1 | 90,4 | 91,3 | 92,4 | 93,7 | 95,3 | 97,6 | 99,5 | 99,4 | 100,1 | 97,9 | 96,1 | | | | 155,2 | |
| (01039, N/M2) | 630 | 89,6 | 91,4 | 90,0 | 90,4 | 91,4 | 92,4 | 93,6 | 95,6 | 98,2 | 99,8 | 98,6 | 100,7 | 98,3 | 97,4 | | | | 155,6 | |
| TAMB 59, DEG F | 800 | 92,7 | 95,3 | 93,4 | 92,3 | 93,1 | 92,4 | 92,8 | 95,1 | 97,0 | 99,1 | 98,3 | 100,6 | 99,5 | 100,3 | | | | 155,9 | |
| (288, DEG K) | 1000 | 94,6 | 97,4 | 95,6 | 94,9 | 94,4 | 93,2 | 93,1 | 95,3 | 96,6 | 99,2 | 98,3 | 99,8 | 100,5 | 101,0 | | | | 156,5 | |
| THET 53, DEG F | 1250 | 97,6 | 99,5 | 98,5 | 98,1 | 97,3 | 94,0 | 92,8 | 94,4 | 96,0 | 98,2 | 98,0 | 98,1 | 100,0 | 101,6 | | | | 157,2 | |
| (285, DEG K) | 1600 | 96,3 | 100,6 | 100,7 | 100,1 | 98,8 | 96,0 | 94,3 | 93,4 | 95,1 | 97,0 | 97,1 | 98,3 | 99,3 | 99,9 | | | | 157,8 | |
| HACT 8,91 GM/M3 | 2000 | 92,1 | 96,4 | 97,4 | 99,2 | 100,6 | 98,1 | 95,2 | 94,0 | 94,5 | 95,2 | 95,6 | 96,6 | 97,4 | 98,2 | | | | 157,1 | |
| (,00891 KG/M3) | 2500 | 90,5 | 93,3 | 93,7 | 95,3 | 96,8 | 96,7 | 95,6 | 93,9 | 93,7 | 94,0 | 93,4 | 94,4 | 95,5 | 96,0 | | | | 158,2 | |
| FREQ. SHIFT | 3150 | 88,1 | 92,1 | 92,6 | 93,7 | 93,0 | 93,0 | 93,6 | 94,1 | 92,6 | 92,7 | 91,1 | 91,5 | 92,9 | 93,6 | | | | 153,6 | |
| JET 9 | 4000 | 84,9 | 89,0 | 89,8 | 91,0 | 91,3 | 91,3 | 91,4 | 93,1 | 92,0 | 90,4 | 89,3 | 88,7 | 90,7 | 90,9 | | | | 152,4 | |
| DIAMETER RATIO | 5000 | 82,2 | 86,2 | 86,9 | 88,7 | 88,3 | 87,6 | 87,5 | 88,0 | 88,6 | 88,1 | 86,8 | 85,0 | 87,4 | 88,4 | | | | 149,5 | |
| DF/DN 8,00 | 6300 | 78,7 | 83,2 | 84,2 | 85,5 | 84,6 | 84,9 | 84,0 | 84,2 | 84,7 | 84,8 | 84,1 | 82,5 | 84,6 | 85,0 | | | | 147,4 | |
| OVERALL CALCULATED | 8000 | 76,2 | 79,6 | 80,8 | 82,2 | 81,3 | 81,0 | 81,0 | 82,3 | 81,5 | 82,4 | 81,0 | 79,7 | 82,1 | 82,0 | | | | 146,3 | |
| PND8 | 10000 | 74,6 | 76,7 | 77,2 | 78,5 | 78,0 | 78,6 | 77,9 | 79,6 | 78,5 | 81,8 | 78,6 | 78,1 | 79,3 | 79,0 | | | | 146,4 | |
| | | 104,1 | 106,9 | 106,7 | 107,0 | 107,2 | 106,3 | 106,4 | 107,5 | 109,2 | 111,4 | 111,8 | 113,0 | 114,9 | 114,3 | | | | 149,5 | |
| | | 115,1 | 118,5 | 118,6 | 119,2 | 119,9 | 118,8 | 118,4 | 118,9 | 119,1 | 120,3 | 120,1 | 121,6 | 121,7 | 121,7 | | | | 147,4 | |

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OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|-----|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| REV, ALPHA 12/73 FREQ: | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0, | (0, | (0, |
| NO EGA | | 50 | 60,8 | 61,6 | 70,3 | 66,7 | 68,9 | 69,9 | 71,6 | 73,0 | 74,8 | 77,4 | 75,7 | 83,2 | 84,3 | 79,5 | | |
| SIDELINE 2400, FT | | 63 | 62,4 | 65,6 | 68,2 | 68,3 | 69,9 | 71,5 | 73,3 | 74,4 | 76,4 | 77,2 | 77,1 | 83,9 | 82,9 | 76,4 | | |
| (731,52, M) | | 80 | 61,8 | 66,7 | 68,6 | 68,7 | 70,9 | 71,4 | 73,9 | 75,0 | 76,9 | 77,4 | 79,6 | 84,1 | 82,4 | 78,5 | | |
| NFA 0, RPM | | 100 | 62,5 | 66,8 | 68,7 | 70,1 | 72,1 | 72,6 | 74,1 | 76,4 | 78,2 | 80,4 | 80,2 | 82,2 | 79,0 | 78,7 | | |
| NFK 0, RAD/SEC | | 125 | 63,5 | 66,1 | 70,2 | 70,2 | 71,8 | 73,6 | 75,5 | 77,1 | 78,4 | 80,9 | 80,6 | 81,9 | 77,8 | 72,9 | | |
| NFD 0, RPM | | 160 | 63,7 | 66,8 | 69,1 | 71,2 | 72,7 | 73,3 | 76,2 | 77,6 | 78,1 | 81,1 | 81,6 | 81,6 | 76,6 | 71,1 | | |
| NFK 0, RAD/SEC | | 200 | 63,2 | 68,1 | 68,8 | 71,3 | 72,9 | 74,5 | 76,2 | 77,5 | 79,2 | 80,3 | 80,7 | 80,6 | 75,6 | 68,7 | | |
| NFD 0, RPM | | 250 | 64,2 | 67,0 | 68,2 | 72,0 | 73,4 | 74,5 | 75,3 | 76,4 | 78,6 | 80,2 | 80,1 | 80,2 | 74,7 | 67,8 | | |
| NFK 0, RAD/SEC | | 315 | 63,3 | 67,7 | 69,4 | 70,1 | 72,1 | 73,3 | 75,0 | 76,6 | 78,2 | 80,2 | 78,9 | 79,1 | 73,4 | 66,9 | | |
| NFD 0, RPM | | 400 | 62,2 | 67,4 | 68,9 | 70,8 | 72,1 | 73,3 | 74,4 | 75,8 | 77,5 | 79,5 | 78,3 | 78,6 | 73,0 | 66,2 | | |
| AIRFLOW RATIO | | 500 | 60,7 | 66,5 | 67,2 | 69,9 | 71,8 | 73,2 | 74,7 | 76,1 | 78,0 | 79,0 | 77,5 | 76,3 | 71,1 | 64,4 | | |
| WF/WB 8,00 | | 630 | 62,0 | 66,9 | 67,6 | 69,4 | 71,3 | 72,9 | 74,2 | 76,0 | 78,1 | 78,8 | 76,2 | 76,3 | 70,7 | 64,5 | | |
| | | 800 | 63,9 | 69,9 | 70,3 | 70,9 | 72,4 | 72,3 | 72,9 | 75,0 | 76,3 | 77,5 | 75,2 | 75,3 | 70,8 | 65,6 | | |
| VEHICLE JENOTS | | 1000 | 64,5 | 71,0 | 71,7 | 72,5 | 73,0 | 72,4 | 72,5 | 74,5 | 75,3 | 76,9 | 74,3 | 73,5 | 70,4 | 64,3 | | |
| CONFIG JE-054 | | 1250 | 65,8 | 71,9 | 73,9 | 74,8 | 75,1 | 72,4 | 71,5 | 72,8 | 73,8 | 75,0 | 73,0 | 71,4 | 68,2 | 62,4 | | |
| LOC EVENDALE | | 1600 | 62,1 | 71,1 | 74,2 | 75,5 | 75,4 | 73,3 | 71,9 | 70,7 | 71,7 | 72,4 | 70,6 | 68,8 | 65,1 | 57,1 | | |
| DATE 04-15-75 | | 2000 | 55,0 | 64,7 | 69,0 | 73,0 | 75,8 | 74,1 | 71,4 | 69,9 | 69,7 | 69,0 | 67,2 | 64,9 | 60,3 | 51,1 | | |
| RUN DBTF-MODEL 7 | | 2500 | 49,1 | 58,4 | 62,7 | 66,8 | 69,9 | 70,7 | 69,8 | 67,8 | 66,8 | 65,5 | 62,4 | 59,5 | 54,1 | 42,6 | | |
| TAPE X70390 | | 3150 | 40,1 | 52,1 | 57,4 | 61,5 | 62,7 | 63,7 | 64,7 | 64,9 | 62,3 | 60,5 | 55,9 | 51,5 | 44,8 | 30,1 | | |
| FAN TIP SPEED | | 4000 | 26,8 | 41,2 | 48,2 | 53,3 | 56,0 | 57,3 | 57,8 | 59,1 | 56,7 | 52,7 | 47,8 | 41,0 | 32,6 | 12,3 | | |
| FT/SEC | | 5000 | 18,2 | 34,0 | 41,7 | 47,8 | 50,1 | 50,8 | 51,3 | 51,2 | 50,3 | 47,2 | 41,6 | 32,8 | 23,4 | 1,1 | | |
| | | 6300 | | 17,9 | 28,2 | 35,2 | 37,8 | 40,1 | 39,7 | 39,3 | 37,9 | 34,5 | 28,0 | 17,2 | 3,4 | | | |
| | | 8000 | | | 8,2 | 17,5 | 21,3 | 23,7 | 24,5 | 25,0 | 21,6 | 17,7 | 8,4 | | | | | |
| | | 10000 | | | | | 3,9 | 4,3 | 4,9 | 0,2 | | | | | | | | |
| OVERALL CALCULATED | | | 75,2 | 80,4 | 82,5 | 83,9 | 85,3 | 85,5 | 86,5 | 87,8 | 89,3 | 91,0 | 90,4 | 92,3 | 90,0 | 85,4 | | |
| PNDB | | | 80,9 | 88,4 | 91,2 | 93,1 | 95,0 | 94,5 | 94,1 | 94,1 | 94,8 | 95,8 | 94,5 | 94,7 | 90,0 | 84,9 | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PHL | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 | | | | | | | | | | | | | | | | |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.1) | (0.2) | (0.3) | (0.4) | (0.5) | (0.6) | (0.7) | (0.8) | (0.9) | (1.0) | (1.1) | (1.2) | (1.3) | (1.4) | (1.5) | |
| NO EGA | | 50 | 86.1 | 85.2 | 90.0 | 86.6 | 88.4 | 88.9 | 90.0 | 92.1 | 94.8 | 97.1 | 96.7 | 105.5 | 108.7 | 108.1 | | | | | | | | | | | | | | | | 158.7 |
| ROG, NO. | | 63 | 88.8 | 88.8 | 89.8 | 88.2 | 89.4 | 90.3 | 92.0 | 93.7 | 96.2 | 97.7 | 99.2 | 107.6 | 109.0 | 106.3 | | | | | | | | | | | | | | | | 159.4 |
| RADIAL 320, FT. | | 80 | 88.6 | 90.2 | 90.4 | 89.4 | 90.7 | 90.5 | 92.6 | 94.1 | 96.4 | 97.9 | 101.4 | 107.1 | 108.6 | 108.8 | | | | | | | | | | | | | | | | 159.7 |
| (98, M) | | 100 | 88.4 | 90.1 | 90.6 | 90.5 | 91.5 | 91.7 | 93.1 | 95.9 | 97.8 | 100.5 | 102.2 | 105.5 | 104.9 | 107.4 | | | | | | | | | | | | | | | | 158.7 |
| VEHICLE JENOTS | | 125 | 90.3 | 90.4 | 91.7 | 91.4 | 92.0 | 92.9 | 94.4 | 96.6 | 98.1 | 101.6 | 102.7 | 103.4 | 103.8 | 102.4 | | | | | | | | | | | | | | | | 158.2 |
| CONFIG JE-054 | | 160 | 90.0 | 91.2 | 91.4 | 92.0 | 93.0 | 93.4 | 95.7 | 97.4 | 98.7 | 101.6 | 103.6 | 105.5 | 103.2 | 101.2 | | | | | | | | | | | | | | | | 158.4 |
| LOC EVENDALE | | 200 | 90.3 | 92.2 | 91.4 | 92.2 | 93.3 | 94.5 | 95.2 | 96.7 | 98.6 | 100.7 | 102.6 | 104.5 | 102.1 | 99.7 | | | | | | | | | | | | | | | | 157.7 |
| DATE 04-15-75 | | 250 | 92.1 | 93.1 | 91.3 | 93.7 | 94.5 | 94.6 | 95.3 | 96.6 | 98.5 | 101.1 | 102.2 | 104.8 | 102.1 | 100.3 | | | | | | | | | | | | | | | | 157.9 |
| RUN DBT-MODEL 7 | | 315 | 91.6 | 93.3 | 93.0 | 92.7 | 93.1 | 93.9 | 95.0 | 96.4 | 98.6 | 101.3 | 101.5 | 104.4 | 101.2 | 99.8 | | | | | | | | | | | | | | | | 157.6 |
| TAPE X70360 | | 400 | 91.6 | 95.2 | 93.8 | 93.8 | 94.1 | 94.4 | 95.1 | 96.2 | 98.3 | 101.4 | 101.7 | 103.7 | 101.1 | 100.2 | | | | | | | | | | | | | | | | 157.6 |
| BAR 29.9 HG | | 500 | 96.0 | 99.3 | 96.8 | 95.4 | 95.7 | 94.9 | 95.5 | 96.8 | 98.6 | 101.0 | 100.6 | 102.4 | 100.6 | 101.8 | | | | | | | | | | | | | | | | 157.9 |
| (01039, NZM2) | | 630 | 101.1 | 103.4 | 100.7 | 97.9 | 96.6 | 95.9 | 96.4 | 97.6 | 99.9 | 101.8 | 101.1 | 102.7 | 102.1 | 103.4 | | | | | | | | | | | | | | | | 159.6 |
| TAMB 59, DEG F | | 800 | 102.2 | 106.3 | 104.4 | 103.3 | 101.1 | 98.1 | 96.3 | 97.3 | 99.2 | 101.4 | 100.8 | 102.4 | 102.0 | 104.3 | | | | | | | | | | | | | | | | 161.2 |
| (288, DEG K) | | 1000 | 99.1 | 103.9 | 104.6 | 106.1 | 105.4 | 101.9 | 98.1 | 97.3 | 98.4 | 100.7 | 100.3 | 101.3 | 102.0 | 103.2 | | | | | | | | | | | | | | | | 161.9 |
| TWET 53, DEG F | | 1250 | 97.1 | 101.0 | 101.5 | 104.1 | 105.3 | 104.7 | 100.8 | 98.6 | 98.5 | 99.7 | 99.5 | 100.3 | 101.5 | 102.4 | | | | | | | | | | | | | | | | 161.5 |
| (285, DEG K) | | 1600 | 96.8 | 100.8 | 100.4 | 100.9 | 101.8 | 102.0 | 101.8 | 99.9 | 98.6 | 99.0 | 98.6 | 99.6 | 100.3 | 100.9 | | | | | | | | | | | | | | | | 160.3 |
| HACT 8.91 GM/M3 | | 2000 | 94.3 | 99.1 | 99.4 | 100.4 | 101.1 | 99.1 | 99.7 | 100.5 | 98.5 | 98.7 | 97.6 | 98.6 | 98.9 | 99.2 | | | | | | | | | | | | | | | | 159.4 |
| (.00891 KG/M3) | | 2500 | 92.2 | 96.8 | 97.0 | 99.0 | 99.3 | 99.0 | 97.3 | 97.9 | 98.5 | 97.7 | 96.1 | 96.9 | 97.2 | 97.5 | | | | | | | | | | | | | | | | 158.1 |
| FREQ, SHIFT | | 3150 | 90.1 | 94.8 | 95.6 | 96.7 | 97.2 | 97.0 | 96.4 | 96.1 | 96.4 | 96.7 | 94.6 | 94.5 | 95.1 | 94.8 | | | | | | | | | | | | | | | | 156.8 |
| JET | | 4000 | 86.9 | 91.5 | 92.5 | 94.0 | 94.3 | 94.8 | 94.4 | 94.3 | 93.5 | 93.7 | 92.3 | 92.2 | 92.7 | 91.9 | | | | | | | | | | | | | | | | 154.9 |
| DIAMETER RATIO | | 5000 | 84.5 | 89.7 | 90.4 | 91.7 | 92.0 | 91.1 | 90.5 | 90.7 | 91.1 | 90.4 | 89.6 | 89.0 | 90.2 | 90.2 | | | | | | | | | | | | | | | | 152.5 |
| DF/DM 8.00 | | 6300 | 81.5 | 86.4 | 86.7 | 88.2 | 88.1 | 87.9 | 88.2 | 88.4 | 87.7 | 87.3 | 87.1 | 86.6 | 87.9 | 88.5 | | | | | | | | | | | | | | | | 150.7 |
| OVERALL CALCULATED | | 8000 | 78.7 | 82.9 | 84.3 | 85.2 | 84.3 | 84.8 | 85.0 | 85.3 | 85.0 | 85.2 | 83.7 | 85.2 | 86.1 | 86.7 | | | | | | | | | | | | | | | | 149.8 |
| PND8 | | 10000 | 75.8 | 79.4 | 80.7 | 82.0 | 81.0 | 81.9 | 81.2 | 82.4 | 81.8 | 83.5 | 81.3 | 85.6 | 86.3 | 86.5 | | | | | | | | | | | | | | | | 150.2 |
| | | | 108.3 | 111.9 | 111.3 | 111.8 | 111.9 | 110.8 | 109.8 | 110.1 | 111.1 | 113.1 | 113.6 | 116.7 | 116.7 | 116.5 | | | | | | | | | | | | | | | | 172.2 |
| | | | 117.4 | 121.3 | 121.3 | 122.3 | 122.5 | 122.1 | 121.4 | 121.9 | 122.2 | 122.9 | 122.3 | 123.8 | 123.7 | 123.8 | | | | | | | | | | | | | | | | 173.5 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG, F, 70 PERCENT REL. HUM, DAY)

| REV: ALPHA 12/73 | FREQ | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) |
| NO EGA | 63 | 62,3 | 63,6 | 64,9 | 66,2 | 67,5 | 68,8 | 70,1 | 71,4 | 72,7 | 74,0 | 75,3 | 76,6 | 77,9 | 79,2 | 80,5 | 81,8 |
| SIDELINE 2400 FT | 80 | 64,5 | 66,0 | 67,5 | 69,0 | 70,5 | 72,0 | 73,5 | 75,0 | 76,5 | 78,0 | 79,5 | 81,0 | 82,5 | 84,0 | 85,5 | 87,0 |
| (73,52 M) | 100 | 64,3 | 66,3 | 68,3 | 70,4 | 72,4 | 74,4 | 76,4 | 78,4 | 80,4 | 82,4 | 84,4 | 86,4 | 88,4 | 90,4 | 92,4 | 94,4 |
| NFA 0 RPM | 125 | 66,0 | 68,4 | 71,4 | 74,4 | 77,4 | 80,4 | 83,4 | 86,4 | 89,4 | 92,4 | 95,4 | 98,4 | 101,4 | 104,4 | 107,4 | 110,4 |
| (0 RAD/SEC) | 160 | 65,4 | 69,0 | 72,9 | 76,8 | 80,7 | 84,6 | 88,5 | 92,4 | 96,3 | 100,2 | 104,1 | 108,0 | 111,9 | 115,8 | 119,7 | 123,6 |
| NFK 0 RPM | 200 | 65,5 | 69,9 | 74,8 | 79,7 | 84,6 | 89,5 | 94,4 | 99,3 | 104,2 | 109,1 | 114,0 | 118,9 | 123,8 | 128,7 | 133,6 | 138,5 |
| (0 RAD/SEC) | 250 | 67,0 | 72,5 | 78,0 | 83,5 | 89,0 | 94,5 | 100,0 | 105,5 | 111,0 | 116,5 | 122,0 | 127,5 | 133,0 | 138,5 | 144,0 | 149,5 |
| NFD 0 RPM | 315 | 66,0 | 72,4 | 78,9 | 85,3 | 91,7 | 98,1 | 104,5 | 110,9 | 117,3 | 123,7 | 130,1 | 136,5 | 142,9 | 149,3 | 155,7 | 162,1 |
| (0 RAD/SEC) | 400 | 65,5 | 72,9 | 79,4 | 85,8 | 92,2 | 98,6 | 105,0 | 111,4 | 117,8 | 124,2 | 130,6 | 137,0 | 143,4 | 149,8 | 156,2 | 162,6 |
| AIRFLOW RATIO | 500 | 69,2 | 75,5 | 81,8 | 88,1 | 94,4 | 100,7 | 107,0 | 113,3 | 119,6 | 125,9 | 132,2 | 138,5 | 144,8 | 151,1 | 157,4 | 163,7 |
| WE/WM 8.00 | 630 | 73,5 | 79,9 | 86,3 | 92,6 | 98,9 | 105,2 | 111,5 | 117,8 | 124,1 | 130,4 | 136,7 | 143,0 | 149,3 | 155,6 | 161,9 | 168,2 |
| | 800 | 73,4 | 80,9 | 88,4 | 95,9 | 103,4 | 110,9 | 118,4 | 125,9 | 133,4 | 140,9 | 148,4 | 155,9 | 163,4 | 170,9 | 178,4 | 185,9 |
| VEHICLE JENOTS | 1000 | 69,0 | 77,5 | 85,0 | 92,5 | 100,0 | 107,5 | 115,0 | 122,5 | 130,0 | 137,5 | 145,0 | 152,5 | 160,0 | 167,5 | 175,0 | 182,5 |
| CONFIG JE-054 | 1250 | 63,3 | 73,4 | 83,5 | 93,6 | 103,7 | 113,8 | 123,9 | 134,0 | 144,1 | 154,2 | 164,3 | 174,4 | 184,5 | 194,6 | 204,7 | 214,8 |
| LOC EVENDALE | 1600 | 62,6 | 71,3 | 80,0 | 88,7 | 97,4 | 106,1 | 114,8 | 123,5 | 132,2 | 140,9 | 149,6 | 158,3 | 167,0 | 175,7 | 184,4 | 193,1 |
| DATE 04-15-75 | 2000 | 57,2 | 67,4 | 77,6 | 87,8 | 97,9 | 108,1 | 118,2 | 128,3 | 138,4 | 148,5 | 158,6 | 168,7 | 178,8 | 188,9 | 199,0 | 209,1 |
| RUN DBF-MODEL 7 | 2500 | 50,9 | 61,9 | 72,9 | 83,9 | 94,9 | 105,9 | 116,9 | 127,9 | 138,9 | 149,9 | 160,9 | 171,9 | 182,9 | 193,9 | 204,9 | 215,9 |
| TAPE X70360 | 3150 | 42,1 | 54,8 | 66,4 | 78,1 | 89,8 | 101,5 | 113,2 | 124,9 | 136,6 | 148,3 | 159,9 | 171,6 | 183,3 | 194,9 | 206,6 | 218,3 |
| FAN TIP SPEED | 4000 | 28,8 | 43,7 | 58,6 | 73,5 | 88,4 | 103,3 | 118,2 | 133,1 | 148,0 | 162,9 | 177,8 | 192,7 | 207,6 | 222,5 | 237,4 | 252,3 |
| FT/SEC | 5000 | 20,5 | 37,5 | 54,5 | 71,5 | 88,5 | 105,5 | 122,5 | 139,5 | 156,5 | 173,5 | 190,5 | 207,5 | 224,5 | 241,5 | 258,5 | 275,5 |
| | 6300 | 0,3 | 21,1 | 39,7 | 58,3 | 76,9 | 95,5 | 114,1 | 132,7 | 151,3 | 169,9 | 188,5 | 207,1 | 225,7 | 244,3 | 262,9 | 281,5 |
| | 8000 | | | 11,7 | 20,5 | 29,3 | 38,1 | 46,9 | 55,7 | 64,5 | 73,3 | 82,1 | 90,9 | 99,7 | 108,5 | 117,3 | 126,1 |
| | 10000 | | | | | 2,7 | 7,1 | 11,5 | 15,9 | 20,3 | 24,7 | 29,1 | 33,5 | 37,9 | 42,3 | 46,7 | 51,1 |
| OVERALL CALCULATED | | 80,0 | 86,2 | 92,5 | 98,8 | 105,1 | 111,4 | 117,7 | 124,0 | 130,3 | 136,6 | 142,9 | 149,2 | 155,5 | 161,8 | 168,1 | 174,4 |
| PDR | | 85,5 | 92,8 | 99,1 | 105,4 | 111,7 | 118,0 | 124,3 | 130,6 | 136,9 | 143,2 | 149,5 | 155,8 | 162,1 | 168,4 | 174,7 | 181,0 |

... PAGE 1 ... FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY = JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | | PWL | | |
|--------------------|----------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 0 | 0 | 0 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (0) | (0) | (0) |
| REV. ALPHA 12/73 | FREQ. | 50 | 83.9 | 84.7 | 86.1 | 87.2 | 88.4 | 89.0 | 90.3 | 92.3 | 94.8 | 97.8 | 100.0 | 105.0 | 109.0 | 104.4 | 158.6 | | | |
| | NO EGA | 63 | 89.6 | 93.6 | 89.6 | 88.8 | 89.7 | 90.6 | 92.7 | 94.5 | 96.2 | 97.4 | 100.5 | 106.4 | 107.3 | 104.8 | 158.4 | | | |
| RDG. NO. | 0. | 60 | 89.3 | 91.2 | 90.7 | 89.7 | 90.4 | 90.5 | 93.3 | 95.4 | 97.7 | 98.9 | 103.9 | 106.8 | 107.9 | 104.8 | 159.3 | | | |
| RADIAL 320 | FT. | 100 | 89.0 | 91.2 | 91.6 | 91.5 | 92.3 | 92.3 | 94.4 | 97.4 | 98.3 | 101.3 | 104.5 | 105.3 | 104.5 | 105.0 | 158.6 | | | |
| | (98.4) | 125 | 91.3 | 90.1 | 93.5 | 91.6 | 92.3 | 93.9 | 95.7 | 97.3 | 99.6 | 103.3 | 105.5 | 104.4 | 103.1 | 101.7 | 159.0 | | | |
| VEHICLE | JENOTS | 160 | 90.7 | 91.4 | 91.9 | 92.8 | 93.5 | 94.7 | 97.4 | 98.2 | 99.9 | 103.6 | 106.6 | 106.0 | 102.4 | 100.4 | 159.7 | | | |
| CONFIG | JE#055 | 200 | 90.3 | 92.5 | 91.9 | 92.8 | 93.6 | 95.0 | 97.0 | 99.0 | 100.9 | 103.3 | 105.4 | 104.5 | 102.9 | 100.2 | 159.3 | | | |
| LOC | EVENDALE | 250 | 92.6 | 91.9 | 91.6 | 94.7 | 94.7 | 95.4 | 96.8 | 98.9 | 101.0 | 104.2 | 105.4 | 105.5 | 103.4 | 101.8 | 159.8 | | | |
| DATE | 04-21-75 | 315 | 92.1 | 92.8 | 93.0 | 92.8 | 93.9 | 95.2 | 96.7 | 99.5 | 101.8 | 104.6 | 105.3 | 105.2 | 103.5 | 102.0 | 159.9 | | | |
| RUN | CBTF-MODEL 7 | 400 | 92.2 | 93.3 | 93.1 | 94.1 | 94.2 | 95.2 | 96.9 | 99.2 | 101.4 | 104.0 | 105.5 | 105.2 | 104.7 | 104.0 | 160.1 | | | |
| TAPE | X7J370 | 500 | 91.3 | 92.4 | 92.7 | 93.2 | 94.1 | 95.7 | 97.3 | 99.4 | 102.0 | 104.1 | 105.5 | 105.5 | 104.7 | 104.2 | 160.3 | | | |
| BAR | 29.9 HG | 600 | 91.2 | 92.5 | 92.1 | 93.5 | 94.0 | 95.3 | 96.7 | 100.5 | 102.5 | 103.9 | 105.4 | 105.8 | 106.2 | 105.3 | 160.8 | | | |
| | (01339, N/42) | 800 | 90.8 | 93.1 | 92.8 | 93.4 | 94.2 | 95.8 | 96.7 | 99.5 | 102.4 | 103.5 | 105.4 | 105.3 | 107.4 | 105.7 | 160.9 | | | |
| TAMB | 59, DEG F | 1000 | 92.8 | 96.1 | 94.6 | 95.3 | 94.8 | 95.6 | 96.3 | 99.2 | 101.8 | 102.9 | 104.2 | 105.0 | 107.2 | 105.4 | 160.6 | | | |
| | (288, DEG K) | 1250 | 93.6 | 97.3 | 96.5 | 95.6 | 95.3 | 95.5 | 96.6 | 99.4 | 101.2 | 102.5 | 104.0 | 104.3 | 105.8 | 104.1 | 160.2 | | | |
| TMET | 53, DEG F | 1600 | 93.1 | 97.6 | 98.0 | 97.4 | 96.6 | 95.6 | 96.4 | 98.7 | 100.4 | 101.5 | 103.4 | 103.6 | 104.6 | 102.5 | 159.9 | | | |
| | (285, DEG K) | 2000 | 90.9 | 95.5 | 96.5 | 97.5 | 97.5 | 97.0 | 96.8 | 97.8 | 99.4 | 100.5 | 101.9 | 102.5 | 103.0 | 100.8 | 157.9 | | | |
| HACT | 8.91 GM/M3 | 2500 | 88.1 | 92.4 | 93.6 | 95.6 | 96.1 | 95.8 | 96.0 | 97.0 | 98.4 | 98.9 | 100.3 | 100.5 | 101.6 | 99.4 | 157.9 | | | |
| | (.00891 KG/M3) | 3150 | 85.9 | 90.6 | 91.4 | 92.5 | 93.0 | 94.7 | 94.6 | 95.4 | 96.7 | 97.2 | 97.4 | 98.3 | 99.7 | 97.6 | 156.4 | | | |
| FREQ. SHIFT | | 4000 | 83.1 | 87.2 | 88.7 | 89.9 | 89.2 | 91.3 | 92.6 | 94.0 | 94.2 | 94.9 | 95.5 | 95.9 | 97.4 | 94.3 | 154.7 | | | |
| JET | 9 | 5000 | 81.1 | 85.6 | 86.3 | 87.6 | 87.9 | 88.2 | 88.9 | 90.9 | 92.2 | 92.3 | 92.5 | 92.6 | 94.8 | 92.8 | 152.5 | | | |
| DIAMETER RATIO | | 6300 | 77.8 | 82.0 | 83.8 | 84.8 | 83.7 | 85.8 | 86.6 | 88.0 | 88.8 | 89.9 | 90.6 | 90.6 | 93.5 | 90.3 | 151.2 | | | |
| BF/CM | 8.00 | 8000 | 76.0 | 79.2 | 80.3 | 82.0 | 80.6 | 81.6 | 83.1 | 85.1 | 86.1 | 88.0 | 87.8 | 88.5 | 91.2 | 89.0 | 150.6 | | | |
| | | 10000 | 76.2 | 76.5 | 77.3 | 78.4 | 77.9 | 79.2 | 79.8 | 82.7 | 82.4 | 89.1 | 87.7 | 88.2 | 90.7 | 87.9 | 152.3 | | | |
| OVERALL CALCULATED | | | 103.9 | 106.1 | 106.4 | 106.9 | 107.1 | 107.7 | 109.0 | 111.2 | 113.2 | 115.2 | 117.1 | 117.7 | 118.2 | 116.4 | 173.0 | | | |
| PND8 | | | 113.9 | 117.2 | 117.8 | 118.7 | 118.9 | 119.4 | 120.1 | 121.8 | 123.3 | 124.7 | 126.1 | 126.5 | 127.2 | 125.3 | | | | |

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ. | 50 | 63.1 | 63.1 | 66.0 | 68.2 | 71.2 | 72.7 | 74.5 | 76.6 | 78.9 | 80.0 | 83.4 | 85.1 | 79.1 | | | | |
| NO EGA | 63 | 64.6 | 66.9 | 69.3 | 69.8 | 71.5 | 72.8 | 75.0 | 76.6 | 77.9 | 79.5 | 80.4 | 84.7 | 85.1 | 83.4 | | | | |
| SIDELINE 2420. FT. | 80 | 65.3 | 68.5 | 70.6 | 70.7 | 72.1 | 72.6 | 75.6 | 77.5 | 79.4 | 79.9 | 83.8 | 85.1 | 83.9 | 83.9 | | | | |
| (731.52 M) | 100 | 64.8 | 68.3 | 71.4 | 72.4 | 73.9 | 74.3 | 76.6 | 79.4 | 79.9 | 82.1 | 84.2 | 83.4 | 80.3 | 77.2 | | | | |
| AFA | 125 | 67.0 | 68.2 | 73.2 | 72.5 | 73.8 | 75.9 | 77.8 | 79.3 | 81.2 | 84.1 | 85.1 | 82.4 | 78.8 | 73.6 | | | | |
| (0. RAD/SEC) | 160 | 66.2 | 69.3 | 71.4 | 73.8 | 74.9 | 76.6 | 79.4 | 80.1 | 81.4 | 84.3 | 86.1 | 83.9 | 77.9 | 72.1 | | | | |
| AFK | 200 | 65.5 | 70.2 | 71.3 | 73.3 | 74.9 | 76.8 | 78.9 | 80.8 | 82.2 | 83.8 | 84.7 | 82.2 | 78.1 | 71.9 | | | | |
| (0. RAD/SEC) | 250 | 67.5 | 69.3 | 70.7 | 75.1 | 75.9 | 77.0 | 78.6 | 80.5 | 82.2 | 84.5 | 84.6 | 83.0 | 78.2 | 72.6 | | | | |
| AFD | 315 | 66.5 | 70.0 | 72.0 | 72.9 | 74.8 | 76.6 | 78.3 | 80.9 | 82.5 | 84.8 | 84.2 | 82.4 | 77.9 | 72.8 | | | | |
| (0. RAD/SEC) | 400 | 68.0 | 69.9 | 71.7 | 73.9 | 74.9 | 76.3 | 78.2 | 80.4 | 82.1 | 83.8 | 84.1 | 81.9 | 78.6 | 73.3 | | | | |
| AIRFLOW RATIO | 500 | 64.6 | 68.6 | 70.8 | 72.7 | 74.4 | 76.6 | 78.3 | 80.2 | 82.3 | 83.5 | 83.6 | 81.7 | 78.0 | 72.5 | | | | |
| WF/WM 8.00 | 630 | 63.6 | 68.0 | 69.7 | 72.5 | 73.9 | 75.7 | 77.3 | 80.9 | 82.4 | 82.9 | 83.0 | 81.4 | 78.6 | 72.6 | | | | |
| | 800 | 62.1 | 67.8 | 69.7 | 71.8 | 73.6 | 75.7 | 76.8 | 79.3 | 81.7 | 81.9 | 82.3 | 79.9 | 78.7 | 71.0 | | | | |
| VEHICLE JENOTS | 1000 | 62.7 | 69.7 | 70.6 | 72.9 | 73.5 | 74.9 | 75.7 | 78.5 | 80.5 | 80.6 | 80.3 | 78.7 | 77.1 | 68.8 | | | | |
| CONFIG JE#655 | 1250 | 61.8 | 69.6 | 71.5 | 72.3 | 73.1 | 73.9 | 75.2 | 77.8 | 79.1 | 79.2 | 79.0 | 76.7 | 74.0 | 64.9 | | | | |
| LCC EVENDALE | 1600 | 58.9 | 68.1 | 71.5 | 72.8 | 73.2 | 72.9 | 73.9 | 76.0 | 77.0 | 76.9 | 76.9 | 74.1 | 70.4 | 59.7 | | | | |
| DATE 04-21-75 | 2000 | 53.8 | 63.8 | 68.1 | 71.3 | 72.6 | 72.9 | 73.0 | 73.8 | 74.5 | 74.3 | 73.6 | 70.8 | 65.8 | 53.7 | | | | |
| RUN DBTF-MODEL 7 | 2500 | 46.8 | 57.5 | 62.6 | 67.1 | 69.2 | 69.8 | 70.2 | 71.0 | 71.4 | 70.4 | 69.3 | 65.6 | 60.3 | 45.9 | | | | |
| TAPE X70370 | 3150 | 37.9 | 50.6 | 56.2 | 60.3 | 62.7 | 65.5 | 66.2 | 66.4 | 65.0 | 62.2 | 58.3 | 51.6 | 34.1 | | | | | |
| FAN TIP SPEED | 4000 | 25.0 | 39.4 | 47.1 | 52.2 | 53.9 | 57.3 | 59.0 | 60.0 | 58.9 | 57.2 | 54.0 | 48.2 | 39.3 | 15.8 | | | | |
| FT/SEC | 5000 | 17.1 | 33.4 | 41.1 | 46.7 | 49.7 | 51.5 | 52.7 | 54.1 | 54.0 | 51.4 | 47.2 | 40.4 | 30.8 | 5.9 | | | | |
| | 6300 | | 16.7 | 27.7 | 34.5 | 36.9 | 40.9 | 42.3 | 43.1 | 42.0 | 39.6 | 33.9 | 25.3 | 12.3 | | | | | |
| | 8000 | | | 7.7 | 17.3 | 20.6 | 24.2 | 26.5 | 27.8 | 26.1 | 23.3 | 15.2 | 3.1 | | | | | | |
| | 10000 | | | | | | 4.5 | 6.2 | 8.0 | 4.1 | 4.3 | | | | | | | | |
| OVERALL CALCULATED | | 76.9 | 80.9 | 83.2 | 84.9 | 86.2 | 87.6 | 89.4 | 91.4 | 93.0 | 94.6 | 95.3 | 94.3 | 92.0 | 86.1 | | | | |
| PND8 | | 80.8 | 87.4 | 90.5 | 92.7 | 94.1 | 95.2 | 96.2 | 97.9 | 99.1 | 100.0 | 100.1 | 98.2 | 94.8 | 87.8 | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | |
|--------------------------|--|--|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
| REV. ALPHA 12/73 FREQ. | | 30
(0.52) | 40
(0.70) | 50
(0.87) | 60
(1.05) | 70
(1.22) | 80
(1.40) | 90
(1.57) | 100
(1.75) | 110
(1.92) | 120
(2.09) | 130
(2.27) | 140
(2.44) | 150
(2.62) | 160
(2.79) | 170
(3.0) | 180
(3.14) | 190
(3.29) | 200
(3.49) |
| NO EGA | | 50 | 89.7 | 87.5 | 88.8 | 89.9 | 91.2 | 92.0 | 94.1 | 95.8 | 98.1 | 101.8 | 104.0 | 109.5 | 113.5 | 110.1 | 162.9 | 162.9 | 162.9 |
| RDG. NO. J. | | 63 | 91.1 | 91.3 | 92.6 | 91.3 | 92.2 | 93.4 | 95.2 | 97.7 | 98.7 | 100.7 | 104.5 | 110.1 | 112.1 | 109.6 | 162.4 | 162.4 | 162.4 |
| RADIAL 320 FT.
(98.4) | | 50 | 91.1 | 92.7 | 93.5 | 92.5 | 93.5 | 93.5 | 96.4 | 98.4 | 100.9 | 102.7 | 108.0 | 111.1 | 113.9 | 110.3 | 163.7 | 163.7 | 163.7 |
| VEHICLE JENOTS | | 123 | 92.2 | 92.9 | 94.9 | 94.3 | 94.8 | 95.3 | 96.7 | 99.9 | 101.6 | 103.0 | 108.0 | 108.5 | 109.5 | 112.0 | 162.9 | 162.9 | 162.9 |
| CCNFIG JE#055 | | 160 | 93.8 | 93.7 | 94.4 | 94.8 | 95.8 | 97.5 | 99.7 | 101.2 | 103.2 | 106.4 | 109.6 | 109.0 | 107.7 | 107.7 | 163.1 | 163.1 | 163.1 |
| LCC EVENDALE | | 200 | 93.3 | 94.5 | 94.7 | 95.3 | 95.9 | 98.0 | 100.1 | 101.8 | 103.4 | 106.3 | 108.4 | 108.0 | 107.4 | 107.5 | 162.6 | 162.6 | 162.6 |
| DATE 64-21-75 | | 253 | 95.4 | 94.4 | 93.8 | 96.9 | 97.0 | 98.4 | 99.1 | 101.9 | 104.3 | 106.7 | 108.7 | 108.5 | 108.6 | 108.3 | 163.2 | 163.2 | 163.2 |
| RUN DRTF-MODEL 7 | | 315 | 95.1 | 95.3 | 95.3 | 95.2 | 96.4 | 97.7 | 99.2 | 102.4 | 105.1 | 107.1 | 108.3 | 108.7 | 108.9 | 108.0 | 163.4 | 163.4 | 163.4 |
| TAPE X70390 | | 400 | 94.9 | 95.4 | 95.3 | 96.0 | 95.9 | 98.1 | 99.6 | 102.4 | 104.9 | 106.7 | 108.7 | 109.2 | 110.4 | 108.8 | 163.7 | 163.7 | 163.7 |
| BAR 29.9 HG | | 500 | 94.0 | 94.5 | 94.3 | 95.9 | 96.2 | 97.9 | 98.9 | 102.3 | 104.6 | 106.5 | 108.9 | 109.4 | 110.4 | 107.8 | 163.7 | 163.7 | 163.7 |
| (01039, N/M2) | | 630 | 95.1 | 95.1 | 94.7 | 94.9 | 95.6 | 97.9 | 99.6 | 102.8 | 105.6 | 107.1 | 108.8 | 110.7 | 109.8 | 106.9 | 164.1 | 164.1 | 164.1 |
| TAMB 59. DEG F | | 800 | 95.4 | 95.4 | 95.4 | 95.5 | 96.0 | 97.8 | 99.3 | 102.2 | 104.4 | 106.0 | 108.5 | 109.8 | 109.7 | 105.5 | 163.6 | 163.6 | 163.6 |
| (288, DEG K) | | 1000 | 96.7 | 97.8 | 96.8 | 96.2 | 96.8 | 97.8 | 99.2 | 101.9 | 103.7 | 105.1 | 107.4 | 108.7 | 108.4 | 104.9 | 162.9 | 162.9 | 162.9 |
| THET 53. DEG F | | 1250 | 95.9 | 97.9 | 98.4 | 99.2 | 98.4 | 98.0 | 98.4 | 101.5 | 103.8 | 104.3 | 106.8 | 107.7 | 106.9 | 104.5 | 162.5 | 162.5 | 162.5 |
| (295, DEG K) | | 1600 | 92.4 | 94.4 | 95.5 | 98.2 | 99.1 | 98.4 | 98.7 | 100.8 | 102.7 | 103.6 | 105.7 | 106.2 | 105.9 | 102.3 | 161.6 | 161.6 | 161.6 |
| HACT 8.91 GM/M3 | | 2000 | 90.5 | 92.5 | 93.0 | 94.9 | 96.8 | 98.0 | 98.4 | 99.9 | 101.2 | 102.1 | 104.5 | 105.0 | 105.1 | 101.1 | 160.6 | 160.6 | 160.6 |
| 4.00891 KG/M3 | | 2500 | 88.5 | 90.8 | 91.7 | 93.0 | 93.8 | 95.2 | 96.9 | 98.4 | 100.0 | 101.8 | 103.0 | 102.7 | 102.5 | 99.0 | 159.0 | 159.0 | 159.0 |
| FREQ. SHIFT | | 3150 | 87.1 | 89.3 | 90.0 | 92.1 | 92.6 | 93.4 | 95.0 | 96.8 | 98.5 | 99.1 | 100.0 | 100.7 | 100.8 | 97.3 | 157.6 | 157.6 | 157.6 |
| JET 9 | | 4000 | 83.8 | 86.2 | 87.7 | 89.2 | 89.2 | 92.0 | 92.6 | 95.3 | 96.2 | 96.9 | 98.3 | 98.6 | 98.9 | 94.6 | 156.3 | 156.3 | 156.3 |
| DIAMETER RATIO | | 5000 | 82.5 | 84.4 | 85.7 | 87.5 | 87.3 | 88.8 | 89.8 | 92.4 | 94.1 | 94.1 | 95.6 | 96.0 | 96.7 | 92.9 | 154.2 | 154.2 | 154.2 |
| DF/DM 8.00 | | 6300 | 79.9 | 82.6 | 83.1 | 84.9 | 84.6 | 86.1 | 87.4 | 89.6 | 91.6 | 92.7 | 93.2 | 94.2 | 95.6 | 90.7 | 153.4 | 153.4 | 153.4 |
| OVERALL CALCULATED | | 8000 | 77.8 | 79.9 | 80.9 | 82.6 | 81.4 | 83.1 | 83.9 | 86.7 | 89.9 | 91.3 | 91.1 | 92.0 | 93.7 | 89.8 | 153.2 | 153.2 | 153.2 |
| PNDB | | 10000 | 76.6 | 76.9 | 77.2 | 79.2 | 78.8 | 80.3 | 80.7 | 84.1 | 88.0 | 92.0 | 89.6 | 91.3 | 92.8 | 88.8 | 154.8 | 154.8 | 154.8 |
| | | 106.5 | 107.2 | 107.5 | 108.2 | 108.7 | 109.9 | 111.2 | 113.8 | 115.9 | 118.0 | 120.3 | 121.4 | 122.2 | 120.4 | 175.7 | 175.7 | 175.7 | 175.7 |
| | | 115.1 | 116.6 | 117.3 | 118.8 | 119.3 | 120.5 | 121.6 | 123.8 | 125.6 | 127.0 | 129.0 | 129.6 | 129.9 | 127.0 | 177.0 | 177.0 | 177.0 | 177.0 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) |
| NO EGA | 50 | 65.8 | 65.9 | 69.8 | 71.0 | 73.0 | 74.2 | 76.4 | 78.0 | 79.9 | 82.9 | 84.0 | 88.0 | 89.6 | 82.8 | | | | |
| SIDELINE 2400. FT. | 63 | 67.1 | 69.7 | 72.5 | 72.3 | 74.0 | 75.5 | 77.5 | 79.9 | 80.4 | 81.7 | 84.4 | 88.5 | 88.1 | 82.1 | | | | |
| (731.52 M) | 80 | 67.0 | 71.0 | 73.3 | 73.4 | 75.2 | 75.6 | 78.6 | 80.5 | 82.6 | 83.7 | 87.8 | 89.3 | 88.9 | 82.7 | | | | |
| NFA | 100 | 68.1 | 71.1 | 74.7 | 75.2 | 76.4 | 77.3 | 78.9 | 82.0 | 83.2 | 83.9 | 87.8 | 86.7 | 85.3 | 84.2 | | | | |
| (0. RPM) | 125 | 69.5 | 70.7 | 75.5 | 74.7 | 76.3 | 78.2 | 80.3 | 82.6 | 84.0 | 87.9 | 88.7 | 86.0 | 84.3 | 80.2 | | | | |
| (0. RAD/SEC) | 160 | 69.2 | 71.6 | 73.9 | 75.5 | 77.2 | 78.8 | 81.7 | 83.1 | 84.6 | 87.1 | 89.2 | 86.9 | 83.1 | 79.4 | | | | |
| NFK | 200 | 68.5 | 72.2 | 74.1 | 75.8 | 77.2 | 79.8 | 82.0 | 83.5 | 84.7 | 86.8 | 87.7 | 85.7 | 82.6 | 78.8 | | | | |
| (0. RAD/SEC) | 250 | 70.2 | 71.8 | 73.0 | 77.3 | 78.2 | 80.0 | 80.8 | 83.5 | 85.4 | 87.0 | 87.9 | 86.0 | 83.5 | 79.1 | | | | |
| NFD | 315 | 69.5 | 72.4 | 74.2 | 75.4 | 77.3 | 79.1 | 80.8 | 83.8 | 86.0 | 87.2 | 87.2 | 85.8 | 83.4 | 78.2 | | | | |
| (0. RAD/SEC) | 400 | 68.7 | 72.1 | 73.9 | 75.8 | 76.6 | 79.3 | 80.9 | 83.6 | 85.5 | 86.5 | 87.3 | 85.9 | 84.3 | 77.5 | | | | |
| AIRFLOW RATIO | 500 | 67.2 | 70.7 | 72.4 | 75.4 | 76.5 | 78.7 | 79.9 | 83.1 | 85.0 | 85.9 | 87.0 | 85.6 | 83.6 | 76.2 | | | | |
| WF/WM 8.00 | 630 | 67.4 | 70.6 | 72.3 | 73.9 | 75.5 | 78.3 | 80.2 | 83.3 | 85.6 | 86.1 | 86.4 | 86.2 | 82.2 | 74.0 | | | | |
| | 800 | 66.6 | 71.1 | 72.3 | 73.9 | 75.3 | 77.7 | 79.3 | 82.1 | 83.8 | 84.4 | 85.4 | 84.5 | 80.9 | 70.8 | | | | |
| VEHICLE JENOTS | 1000 | 66.6 | 71.4 | 72.8 | 73.9 | 75.4 | 77.1 | 78.7 | 81.2 | 82.4 | 82.8 | 83.4 | 82.4 | 78.3 | 68.2 | | | | |
| CONFIG JE4055 | 1250 | 64.1 | 70.2 | 73.4 | 75.9 | 76.2 | 76.5 | 77.1 | 79.9 | 81.6 | 81.0 | 81.8 | 80.0 | 75.1 | 65.3 | | | | |
| LOC EVENDALE | 1600 | 58.2 | 64.9 | 69.0 | 73.6 | 75.8 | 75.7 | 76.2 | 78.1 | 79.3 | 79.0 | 79.2 | 76.7 | 71.6 | 59.3 | | | | |
| DATE 04-21-75 | 2000 | 53.4 | 61.8 | 64.7 | 68.7 | 72.0 | 74.0 | 74.6 | 75.8 | 76.4 | 75.9 | 76.1 | 73.3 | 67.9 | 54.0 | | | | |
| RUN DBTF-MODEL 7 | 2500 | 47.2 | 55.9 | 60.7 | 64.5 | 66.9 | 69.2 | 71.1 | 72.3 | 73.1 | 72.3 | 72.0 | 67.8 | 61.2 | 45.0 | | | | |
| TARE X70390 | 3150 | 39.0 | 49.2 | 54.8 | 59.9 | 62.3 | 64.1 | 66.1 | 67.6 | 68.3 | 66.9 | 64.8 | 60.7 | 52.7 | 33.8 | | | | |
| FAN TIP SPEED | 4000 | 25.7 | 38.4 | 46.2 | 51.5 | 53.9 | 58.0 | 59.0 | 61.3 | 60.9 | 59.2 | 56.7 | 50.9 | 40.8 | 16.0 | | | | |
| FT/SEC | 5000 | 18.5 | 32.2 | 40.4 | 46.6 | 49.1 | 52.1 | 53.5 | 55.7 | 55.8 | 53.2 | 50.3 | 43.8 | 32.7 | 5.6 | | | | |
| | 6300 | | 17.3 | 27.1 | 34.6 | 37.8 | 41.2 | 43.1 | 44.7 | 44.8 | 42.4 | 37.2 | 28.9 | 14.4 | | | | | |
| | 8000 | | | 8.3 | 17.8 | 21.4 | 25.8 | 27.3 | 29.3 | 29.9 | 26.5 | 18.5 | 6.7 | | | | | | |
| OVERALL CALCULATED | 10000 | | | | | 0.5 | 5.6 | 7.1 | 9.4 | 9.7 | 7.2 | | | | | | | | |
| PND8 | | 79.8 | 82.9 | 85.3 | 87.0 | 88.4 | 90.1 | 91.8 | 94.3 | 95.9 | 97.5 | 98.7 | 98.1 | 96.7 | 91.3 | | | | |
| | | 83.4 | 87.7 | 90.7 | 93.7 | 95.6 | 96.9 | 98.2 | 100.3 | 101.8 | 102.6 | 103.3 | 102.0 | 99.3 | 92.1 | | | | |

ANGLES FROM INLET IN DEGREES, (AND RADIANS)

| REV. | ALPHA 12/78 | FREQ. | 31. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. | 4140. | 4150. | 4160. | 4170. | 4180. |
|------|-------------|-------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|------|-------------|-------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM., DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|-----|-----|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 0° | 0° | 0° | 0° |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | (0) |
| REV. ALPHA 12773 | FREQ. | 50 | 65.3 | 65.4 | 68.3 | 71.0 | 72.5 | 73.7 | 75.4 | 77.3 | 79.1 | 81.6 | 83.2 | 87.0 | 88.6 | 82.1 | | | |
| NO EGA | 63 | 67.1 | 69.2 | 71.8 | 71.5 | 73.7 | 75.0 | 77.0 | 78.9 | 80.4 | 81.0 | 83.2 | 86.0 | 87.1 | 81.1 | | | | |
| SIDELINE 2400' FT. | 80 | 67.3 | 70.5 | 72.8 | 72.4 | 74.4 | 75.1 | 77.9 | 79.8 | 81.6 | 82.7 | 86.8 | 88.1 | 87.9 | 81.7 | | | | |
| (731.52 M) | 100 | 67.1 | 71.1 | 74.2 | 73.9 | 75.7 | 76.1 | 78.4 | 81.5 | 82.4 | 84.7 | 86.8 | 85.2 | 83.6 | 82.4 | | | | |
| NFA | 125 | 69.0 | 70.2 | 75.2 | 74.7 | 75.3 | 77.9 | 79.6 | 81.6 | 83.2 | 86.7 | 87.2 | 84.7 | 82.3 | 78.4 | | | | |
| (0. RAD/SEC) | 160 | 68.0 | 70.8 | 73.4 | 75.3 | 76.4 | 78.3 | 81.0 | 82.6 | 83.6 | 86.6 | 88.2 | 85.6 | 81.1 | 76.9 | | | | |
| NFK | 200 | 67.3 | 71.7 | 73.6 | 75.3 | 76.7 | 78.5 | 81.2 | 82.8 | 83.9 | 86.3 | 86.5 | 83.7 | 80.8 | 76.0 | | | | |
| (0. RAD/SEC) | 250 | 69.2 | 71.3 | 72.5 | 76.3 | 77.9 | 79.3 | 80.8 | 82.5 | 84.9 | 86.3 | 86.6 | 85.2 | 81.8 | 77.3 | | | | |
| NFD | 315 | 68.3 | 71.4 | 73.7 | 74.6 | 76.3 | 78.4 | 80.3 | 83.1 | 85.0 | 86.2 | 85.9 | 84.1 | 81.6 | 76.7 | | | | |
| (0. RAD/SEC) | 400 | 68.0 | 71.6 | 73.1 | 75.1 | 76.8 | 78.5 | 80.4 | 82.3 | 84.5 | 85.7 | 85.8 | 84.6 | 82.3 | 76.5 | | | | |
| AIRFLOW RATIO | 500 | 66.2 | 69.9 | 71.9 | 74.4 | 75.8 | 78.2 | 79.7 | 82.3 | 84.7 | 85.2 | 85.3 | 83.8 | 81.6 | 74.9 | | | | |
| WF/WP 8.00 | 630 | 65.7 | 68.9 | 71.0 | 73.7 | 75.0 | 77.1 | 79.2 | 82.5 | 84.8 | 84.6 | 84.9 | 84.0 | 81.2 | 73.0 | | | | |
| | 800 | 63.9 | 68.1 | 70.5 | 72.9 | 75.3 | 77.0 | 78.6 | 81.4 | 83.5 | 83.7 | 83.6 | 83.2 | 79.9 | 70.3 | | | | |
| VEHICLE JENOTS | 1000 | 62.4 | 66.9 | 69.3 | 71.6 | 73.9 | 76.1 | 77.4 | 80.4 | 82.4 | 82.3 | 82.4 | 81.4 | 77.5 | 68.0 | | | | |
| CONFIG JE*355 | 1250 | 60.1 | 66.0 | 68.6 | 71.7 | 72.7 | 74.8 | 76.6 | 79.2 | 80.9 | 80.5 | 80.3 | 78.8 | 74.3 | 64.5 | | | | |
| LOC EVENDALE | 1600 | 57.2 | 63.2 | 67.0 | 69.9 | 72.3 | 73.2 | 74.7 | 77.3 | 78.8 | 78.2 | 77.9 | 75.9 | 70.6 | 59.0 | | | | |
| DATE 04-21-75 | 2000 | 52.9 | 60.1 | 63.4 | 67.4 | 70.0 | 71.7 | 73.1 | 75.1 | 76.1 | 75.6 | 74.9 | 72.1 | 66.9 | 53.2 | | | | |
| RUN DBTF-MODEL 7 | 2500 | 45.7 | 55.1 | 59.5 | 63.8 | 65.9 | 68.2 | 69.6 | 72.1 | 73.1 | 71.5 | 71.0 | 67.3 | 60.4 | 45.6 | | | | |
| TARE X70400 | 3150 | 37.3 | 48.5 | 53.5 | 58.7 | 60.8 | 63.9 | 65.6 | 67.1 | 67.8 | 66.4 | 64.1 | 60.4 | 52.5 | 33.8 | | | | |
| FAN TIP SPEED | 4000 | 25.0 | 38.4 | 45.4 | 50.7 | 53.2 | 56.8 | 58.8 | 61.0 | 60.1 | 59.2 | 55.5 | 50.2 | 40.1 | 16.8 | | | | |
| FT/SBC | 5000 | 17.5 | 32.2 | 39.9 | 45.8 | 48.6 | 51.1 | 53.5 | 55.4 | 55.6 | 53.7 | 49.3 | 43.0 | 32.4 | 6.1 | | | | |
| | 6300 | | 16.1 | 26.8 | 33.9 | 36.5 | 40.2 | 42.6 | 44.7 | 44.5 | 42.2 | 36.5 | 28.2 | 13.1 | | | | | |
| | 8000 | | | 7.3 | 16.8 | 20.4 | 24.5 | 27.3 | 29.6 | 29.9 | 26.0 | 17.7 | 6.2 | | | | | | |
| | 10000 | | | | | 4.6 | 7.1 | 9.1 | 9.7 | 9.7 | 6.7 | | | | | | | | |
| OVERALL CALCULATED | | 78.7 | 81.7 | 84.3 | 85.9 | 87.5 | 89.2 | 91.2 | 93.5 | 95.3 | 96.6 | 97.4 | 96.9 | 95.4 | 90.0 | | | | |
| PNDB | | 82.2 | 86.5 | 89.1 | 91.7 | 93.7 | 95.5 | 97.2 | 99.6 | 101.2 | 101.9 | 102.0 | 100.6 | 93.7 | 90.8 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|----------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ. | 50 | 91.9 | 89.2 | 90.8 | 92.4 | 93.4 | 94.2 | 96.3 | 98.6 | 100.1 | 104.6 | 107.3 | 112.0 | 116.0 | 112.6 | 115.4 | | | |
| | NO EGA | 63 | 94.3 | 94.3 | 94.8 | 93.8 | 94.7 | 95.6 | 97.7 | 99.7 | 101.7 | 104.0 | 107.5 | 113.9 | 116.3 | 113.1 | 116.2 | | | |
| RDG. NO. | 0. | 80 | 95.8 | 96.0 | 96.2 | 95.0 | 95.7 | 96.0 | 98.9 | 100.6 | 103.9 | 106.2 | 111.2 | 115.1 | 117.4 | 114.3 | 117.7 | | | |
| RADIAL 320 | FT. | 100 | 95.5 | 95.9 | 98.4 | 96.8 | 97.3 | 97.8 | 99.2 | 102.6 | 104.3 | 107.5 | 111.0 | 112.0 | 114.5 | 116.7 | 116.7 | | | |
| | (98. M) | 125 | 97.1 | 95.6 | 98.5 | 96.9 | 97.5 | 99.2 | 100.7 | 103.1 | 105.2 | 109.9 | 111.5 | 111.2 | 114.9 | 114.7 | 116.7 | | | |
| VEHICLE | JENOTS | 160 | 97.3 | 97.0 | 97.4 | 97.6 | 98.0 | 99.7 | 101.9 | 103.2 | 105.5 | 109.4 | 111.9 | 112.5 | 114.0 | 113.0 | 116.6 | | | |
| CONFIG | JENOTS | 200 | 97.3 | 97.8 | 97.4 | 98.0 | 98.6 | 100.3 | 102.1 | 104.3 | 106.6 | 109.3 | 111.1 | 111.7 | 113.7 | 112.8 | 116.4 | | | |
| LCO | EYENDALE | 250 | 98.4 | 97.6 | 96.8 | 99.2 | 99.8 | 100.4 | 101.8 | 104.1 | 106.8 | 109.4 | 111.2 | 112.8 | 114.9 | 113.1 | 117.0 | | | |
| DATE | 34-21-75 | 315 | 98.6 | 97.8 | 90.3 | 97.7 | 98.4 | 100.2 | 101.5 | 104.4 | 107.6 | 110.1 | 111.0 | 113.0 | 114.7 | 112.8 | 117.0 | | | |
| RUN | DBTF-MOQEL 7 | 400 | 98.4 | 98.2 | 90.1 | 98.5 | 99.1 | 100.1 | 101.6 | 104.4 | 106.9 | 109.7 | 111.5 | 114.2 | 114.4 | 111.4 | 117.1 | | | |
| TAPE | X70410 | 500 | 96.5 | 96.8 | 97.3 | 97.9 | 98.7 | 100.1 | 101.7 | 104.5 | 106.9 | 109.5 | 111.4 | 113.1 | 111.9 | 108.8 | 116.9 | | | |
| FAR | 29.9 HG | 630 | 98.6 | 98.6 | 97.7 | 98.2 | 97.8 | 99.6 | 102.1 | 104.8 | 107.4 | 109.6 | 111.8 | 113.4 | 110.8 | 107.9 | 116.4 | | | |
| | (G1034, N/Y2) | 800 | 100.4 | 102.7 | 100.4 | 99.2 | 99.0 | 99.8 | 101.3 | 104.2 | 106.9 | 109.5 | 111.5 | 111.8 | 110.0 | 106.5 | 115.8 | | | |
| TAMB | 59, DEG F | 1000 | 98.5 | 101.8 | 103.0 | 102.7 | 101.5 | 101.1 | 101.0 | 103.9 | 106.2 | 107.6 | 110.1 | 110.5 | 109.4 | 106.1 | 114.8 | | | |
| | (288, DEG K) | 1250 | 96.2 | 98.1 | 99.9 | 103.2 | 103.6 | 102.0 | 101.4 | 103.7 | 105.8 | 107.1 | 109.1 | 109.4 | 106.1 | 105.5 | 113.8 | | | |
| THET | 53, DEG F | 1600 | 94.6 | 96.7 | 97.3 | 99.2 | 101.6 | 102.9 | 101.7 | 103.0 | 104.5 | 105.8 | 108.4 | 107.7 | 106.9 | 103.8 | 112.6 | | | |
| | (285, DEG K) | 2000 | 92.7 | 95.5 | 96.3 | 97.4 | 101.1 | 101.1 | 101.4 | 102.7 | 103.4 | 104.3 | 106.2 | 106.8 | 105.5 | 102.4 | 111.3 | | | |
| HACT | 8.91 GM/H3 | 2500 | 90.5 | 93.3 | 94.7 | 97.0 | 97.5 | 98.0 | 99.9 | 100.9 | 102.3 | 103.0 | 104.9 | 104.9 | 104.0 | 100.5 | 110.1 | | | |
| | (.00891 KG/H3) | 3150 | 89.1 | 92.0 | 93.5 | 95.4 | 95.9 | 97.1 | 98.0 | 99.8 | 100.3 | 101.3 | 102.5 | 103.2 | 102.3 | 99.0 | 110.1 | | | |
| FREQ. SHIFT | | 4000 | 86.6 | 89.7 | 91.0 | 92.7 | 92.5 | 95.3 | 95.8 | 98.0 | 97.9 | 99.1 | 100.5 | 101.4 | 100.7 | 97.3 | 115.8 | | | |
| JET | 9 | 5000 | 84.7 | 88.2 | 89.4 | 91.6 | 91.0 | 92.3 | 93.3 | 95.2 | 96.1 | 96.6 | 98.3 | 99.2 | 99.2 | 95.9 | 117.0 | | | |
| DIAMETER RATIO | | 6300 | 82.4 | 85.4 | 86.4 | 88.2 | 87.6 | 89.6 | 90.1 | 92.6 | 93.6 | 94.7 | 96.5 | 97.5 | 96.1 | 94.4 | 116.2 | | | |
| BF/DM | 8.0C | 8000 | 79.8 | 82.7 | 83.9 | 85.3 | 84.6 | 86.9 | 87.1 | 89.9 | 91.9 | 93.3 | 93.6 | 96.8 | 97.5 | 95.6 | 116.3 | | | |
| | | 10000 | 78.3 | 79.2 | 80.2 | 82.0 | 81.0 | 83.3 | 84.2 | 86.9 | 89.5 | 93.8 | 91.6 | 97.8 | 98.6 | 96.8 | 115.9 | | | |
| OVERALL CALCULATED | | | 109.5 | 110.4 | 110.8 | 111.4 | 111.9 | 112.7 | 113.7 | 116.1 | 118.3 | 120.7 | 123.0 | 124.7 | 126.0 | 124.2 | 118.8 | | | |
| PND8 | | | 117.8 | 119.6 | 120.4 | 121.7 | 122.4 | 123.5 | 124.4 | 126.2 | 127.8 | 129.5 | 131.4 | 132.4 | 132.5 | 129.9 | 110.1 | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT RBL, HUM, DAY)

| REV: ALPHA 12773 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° |
| NO EGA | 50 | 68.1 | 67.6 | 70.8 | 73.5 | 75.2 | 76.4 | 78.7 | 80.8 | 81.9 | 85.6 | 87.2 | 90.5 | 92.1 | 85.8 | | | | |
| SIDELINE 2400 FT | 80 | 71.4 | 72.7 | 74.8 | 74.8 | 76.5 | 77.8 | 80.0 | 81.9 | 83.4 | 85.0 | 87.4 | 92.2 | 92.4 | 85.6 | | | | |
| (731.52 M) | 100 | 71.3 | 74.1 | 73.2 | 77.7 | 78.9 | 79.8 | 81.4 | 84.7 | 85.9 | 88.4 | 90.8 | 90.2 | 90.3 | 88.9 | | | | |
| NFA 0 RPM | 125 | 72.8 | 73.7 | 78.2 | 77.7 | 79.1 | 81.2 | 82.8 | 85.1 | 86.7 | 90.7 | 91.2 | 89.2 | 90.5 | 86.7 | | | | |
| (0 RAD/SEC) | 160 | 72.7 | 74.8 | 76.9 | 78.3 | 79.4 | 81.6 | 84.0 | 85.3 | 86.9 | 90.1 | 91.4 | 90.4 | 89.4 | 84.6 | | | | |
| NFK 0 RPM | 200 | 72.5 | 75.4 | 76.8 | 78.6 | 79.9 | 82.0 | 84.0 | 86.0 | 87.9 | 89.8 | 90.5 | 89.4 | 88.8 | 84.0 | | | | |
| (0 RAD/SEC) | 250 | 73.2 | 75.0 | 76.0 | 79.6 | 80.9 | 82.0 | 83.6 | 85.7 | 87.9 | 89.8 | 90.4 | 90.2 | 89.8 | 83.8 | | | | |
| NFD 0 RPM | 315 | 73.0 | 74.9 | 77.2 | 77.9 | 79.3 | 81.6 | 83.0 | 85.8 | 88.5 | 90.2 | 89.9 | 90.1 | 89.1 | 82.4 | | | | |
| (0 RAD/SEC) | 400 | 72.2 | 74.9 | 76.6 | 78.3 | 79.9 | 81.3 | 82.9 | 85.6 | 87.5 | 89.5 | 90.0 | 90.9 | 88.3 | 80.7 | | | | |
| AIRFLOW RATIO | 500 | 69.7 | 72.9 | 73.2 | 77.4 | 79.0 | 81.0 | 82.7 | 85.3 | 87.2 | 88.9 | 89.5 | 89.3 | 85.1 | 77.2 | | | | |
| WF/WM 8.00 | 600 | 70.9 | 74.1 | 75.3 | 77.2 | 77.8 | 80.1 | 82.7 | 85.3 | 87.3 | 88.6 | 89.4 | 89.0 | 83.2 | 75.0 | | | | |
| VEHICLE JETOTS | 800 | 71.6 | 77.4 | 77.3 | 77.6 | 78.3 | 79.7 | 81.3 | 84.1 | 86.3 | 86.9 | 88.4 | 86.5 | 81.2 | 71.8 | | | | |
| CCNFIG JE#055 | 1000 | 68.4 | 75.4 | 79.1 | 80.4 | 80.2 | 80.3 | 80.4 | 83.2 | 84.9 | 85.3 | 86.2 | 84.1 | 79.3 | 69.5 | | | | |
| LOC EVENDALB | 1250 | 64.4 | 70.8 | 74.9 | 79.9 | 81.5 | 80.5 | 80.1 | 82.2 | 83.6 | 83.8 | 84.0 | 81.8 | 76.3 | 66.3 | | | | |
| DATE 04-21-75 | 1600 | 65.4 | 67.2 | 70.8 | 74.6 | 78.3 | 80.2 | 79.2 | 80.3 | 81.1 | 81.2 | 81.9 | 78.2 | 72.6 | 61.0 | | | | |
| RUN DBTF-MODEL 7 | 2000 | 55.6 | 63.8 | 67.9 | 71.2 | 75.2 | 77.0 | 77.6 | 78.6 | 78.6 | 78.1 | 77.9 | 75.1 | 68.4 | 55.2 | | | | |
| TAPE X75410 | 2500 | 49.2 | 58.4 | 63.7 | 68.5 | 70.6 | 72.0 | 74.1 | 74.8 | 75.3 | 74.5 | 73.9 | 70.0 | 62.7 | 47.1 | | | | |
| FAK TIP SPEED | 3150 | 41.0 | 52.0 | 58.3 | 63.2 | 65.6 | 67.9 | 69.1 | 70.6 | 70.0 | 69.2 | 67.3 | 63.2 | 54.2 | 35.5 | | | | |
| FT/SEC | 4000 | 28.5 | 41.9 | 49.4 | 55.0 | 57.2 | 61.3 | 62.3 | 64.0 | 62.6 | 61.4 | 59.0 | 53.7 | 42.6 | 18.8 | | | | |
| | 5000 | 20.7 | 36.0 | 44.2 | 50.1 | 52.8 | 55.6 | 57.0 | 58.4 | 57.8 | 55.7 | 53.1 | 47.0 | 35.2 | 8.6 | | | | |
| | 6300 | 1.2 | 20.1 | 30.3 | 37.9 | 40.8 | 44.7 | 45.9 | 47.7 | 46.8 | 44.4 | 40.5 | 32.2 | 16.9 | | | | | |
| | 8000 | | | 11.3 | 20.6 | 24.7 | 29.5 | 30.6 | 32.6 | 31.9 | 28.5 | 21.0 | 11.4 | | | | | | |
| | 10000 | | | | | 2.7 | 8.6 | 10.6 | 12.1 | 11.2 | 8.9 | | | | | | | | |
| OVERALL CALCULATED | | 83.2 | 86.2 | 88.5 | 90.0 | 91.3 | 92.7 | 94.2 | 96.5 | 98.4 | 100.3 | 101.4 | 101.7 | 101.0 | 95.6 | | | | |
| PND8 | | 86.7 | 91.5 | 94.1 | 96.6 | 98.5 | 100.2 | 100.9 | 102.7 | 104.1 | 105.4 | 106.0 | 105.6 | 102.9 | 95.9 | | | | |

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| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
| REV: ALPHA 12/73 | FREQ: | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) |
| NO EGA | 90 | 74.9 | 74.9 | 84.0 | 77.2 | 78.6 | 79.4 | 80.3 | 81.8 | 83.8 | 85.1 | 82.5 | 80.3 | 93.4 | 94.3 | | | | | 144.8 |
| RDG: NO | 63 | 76.5 | 78.3 | 80.3 | 78.0 | 78.7 | 80.6 | 81.9 | 82.4 | 84.7 | 85.2 | 85.4 | 93.3 | 94.5 | 95.3 | | | | | 146.2 |
| RADIAL 320, FT. | 80 | 77.6 | 79.7 | 80.7 | 79.7 | 80.9 | 81.0 | 83.3 | 83.6 | 85.7 | 84.7 | 85.9 | 91.6 | 93.6 | 96.3 | | | | | 146.1 |
| (98, M) | 125 | 78.4 | 80.1 | 80.9 | 80.7 | 81.2 | 81.2 | 81.9 | 84.6 | 86.3 | 88.2 | 88.4 | 91.7 | 92.4 | 95.9 | | | | | 146.3 |
| VEHICLE JENOTS | 160 | 79.5 | 79.9 | 82.5 | 81.1 | 81.5 | 83.2 | 83.6 | 85.3 | 86.1 | 87.3 | 87.9 | 90.9 | 91.5 | 92.4 | | | | | 145.5 |
| CONFIG JE-054 | 200 | 79.7 | 80.7 | 81.9 | 81.3 | 81.7 | 82.9 | 84.2 | 85.7 | 85.9 | 87.4 | 88.3 | 91.5 | 90.7 | 89.4 | | | | | 145.3 |
| LOC EVENDALE | 250 | 79.3 | 80.7 | 80.4 | 80.7 | 81.1 | 83.0 | 83.5 | 84.2 | 85.3 | 86.0 | 87.6 | 90.7 | 88.1 | 86.7 | | | | | 144.2 |
| DATE 04-15-75 | 315 | 79.8 | 80.3 | 79.5 | 81.9 | 82.0 | 82.4 | 82.3 | 83.6 | 84.5 | 85.4 | 86.7 | 89.8 | 86.3 | 84.8 | | | | | 143.4 |
| RUN DBTF-MODEL 7 | 400 | 78.6 | 80.1 | 80.3 | 79.7 | 80.1 | 81.2 | 82.0 | 82.9 | 84.1 | 84.8 | 85.3 | 88.2 | 83.9 | 81.8 | | | | | 142.3 |
| TAPE X70420 | 500 | 76.8 | 79.4 | 79.3 | 79.8 | 79.9 | 80.6 | 81.1 | 82.2 | 82.8 | 84.4 | 84.5 | 85.7 | 83.4 | 80.7 | | | | | 141.3 |
| BAR 29.9 HG | 630 | 75.0 | 78.5 | 78.3 | 78.9 | 79.5 | 79.9 | 80.2 | 81.3 | 82.9 | 83.7 | 82.9 | 83.9 | 80.1 | 77.8 | | | | | 140.3 |
| (04039, N/M2) | 800 | 74.8 | 77.9 | 78.2 | 77.9 | 77.9 | 79.4 | 80.1 | 80.9 | 82.9 | 83.1 | 82.6 | 83.0 | 79.1 | 76.9 | | | | | 139.9 |
| TAMB 59, DEG F | 1000 | 74.4 | 77.5 | 78.4 | 78.5 | 78.1 | 78.9 | 78.8 | 80.3 | 81.2 | 82.1 | 81.6 | 81.1 | 78.6 | 75.8 | | | | | 139.1 |
| (288, DEG K) | 1250 | 74.1 | 77.4 | 77.4 | 77.4 | 78.4 | 78.4 | 78.5 | 79.3 | 80.6 | 81.5 | 81.0 | 80.3 | 77.5 | 75.0 | | | | | 138.6 |
| THET 53, DEG F | 1600 | 73.1 | 76.5 | 77.5 | 77.6 | 77.0 | 76.2 | 77.3 | 78.6 | 79.7 | 80.7 | 80.5 | 79.3 | 76.0 | 73.6 | | | | | 137.9 |
| (285, DEGLK) | 2000 | 71.5 | 76.1 | 75.9 | 76.1 | 76.3 | 76.0 | 76.6 | 77.4 | 78.9 | 79.2 | 78.9 | 78.1 | 74.8 | 72.2 | | | | | 136.9 |
| HACT 8.91 GH/M3 | 2500 | 69.8 | 73.9 | 74.1 | 74.2 | 74.8 | 74.6 | 75.0 | 76.0 | 78.0 | 78.6 | 77.0 | 75.9 | 72.9 | 69.9 | | | | | 135.6 |
| (.00891, KG/M3) | 3150 | 67.9 | 71.2 | 71.7 | 72.0 | 72.2 | 71.9 | 73.1 | 73.8 | 75.7 | 76.5 | 75.9 | 73.6 | 70.9 | 67.7 | | | | | 133.8 |
| FREQ: SHIFT | 4000 | 65.1 | 69.3 | 69.0 | 69.7 | 68.9 | 69.4 | 70.6 | 71.6 | 73.3 | 74.9 | 73.1 | 71.0 | 68.6 | 65.3 | | | | | 131.9 |
| JET 9 | 5000 | 62.6 | 66.1 | 65.9 | 66.4 | 65.7 | 66.5 | 67.5 | 69.0 | 70.4 | 71.8 | 70.7 | 67.6 | 65.9 | 62.8 | | | | | 129.7 |
| DIAMETER RATIO | 6300 | 60.7 | 63.4 | 63.9 | 64.2 | 63.0 | 63.0 | 64.0 | 65.4 | 67.5 | 68.0 | 67.0 | 64.1 | 63.3 | 61.3 | | | | | 126.9 |
| DP/DH 8.00 | 8000 | 57.4 | 60.9 | 61.1 | 61.4 | 60.1 | 59.9 | 60.1 | 62.1 | 64.6 | 66.0 | 65.2 | 63.7 | 62.0 | 61.6 | | | | | 125.7 |
| | 10000 | 56.0 | 56.4 | 54.9 | 55.9 | 57.9 | 56.0 | 55.9 | 60.3 | 63.7 | 69.2 | 65.5 | 66.5 | 64.8 | 65.5 | | | | | 126.8 |
| OVERALL CALCULATED | | 89.4 | 91.2 | 92.4 | 91.7 | 92.1 | 92.9 | 93.7 | 94.9 | 96.2 | 97.1 | 97.4 | 101.1 | 101.4 | 102.6 | | | | | 155.6 |
| PNOB | | 95.6 | 98.6 | 99.2 | 99.0 | 99.3 | 99.6 | 100.2 | 101.4 | 103.0 | 104.0 | 103.9 | 105.0 | 103.2 | 103.5 | | | | | 156.2 |

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|---------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|----|----|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | 0, | 0, | 0, |
| REV, ALPHA 12/73 | FREQ, | | | | | | | | | | | | | | | | | |
| | 50 | 51,0 | 53,4 | 54,0 | 59,0 | 60,4 | 61,7 | 62,6 | 64,0 | 65,6 | 66,1 | 62,5 | 68,7 | 69,6 | 67,0 | | | |
| NO EGA | 63 | 52,6 | 56,6 | 60,2 | 59,0 | 60,4 | 62,8 | 64,3 | 64,6 | 66,4 | 66,2 | 65,4 | 71,7 | 70,6 | 67,2 | | | |
| SIDELINE 2400, FT, | 80 | 53,5 | 58,0 | 60,6 | 60,7 | 62,6 | 63,1 | 65,6 | 65,7 | 67,4 | 65,7 | 65,8 | 69,8 | 69,6 | 68,7 | | | |
| (73,52 M) | 100 | 54,3 | 58,3 | 60,7 | 61,6 | 62,9 | 63,3 | 64,1 | 66,7 | 67,9 | 69,1 | 68,2 | 69,9 | 68,3 | 68,2 | | | |
| NFA 0, RPM | 125 | 55,2 | 57,9 | 62,2 | 61,9 | 63,0 | 65,1 | 65,8 | 67,3 | 67,7 | 68,1 | 67,6 | 68,9 | 67,3 | 64,4 | | | |
| (0, RAD/SEC) | 160 | 55,2 | 58,5 | 61,4 | 62,0 | 63,2 | 64,8 | 66,2 | 67,6 | 67,4 | 68,1 | 67,9 | 69,3 | 66,1 | 61,1 | | | |
| NFK 0, RPM | 200 | 54,5 | 58,4 | 59,8 | 61,3 | 62,4 | 64,7 | 65,4 | 66,0 | 66,7 | 66,5 | 67,0 | 68,4 | 63,3 | 58,0 | | | |
| (0, RAD/SEC) | 250 | 54,7 | 57,8 | 58,7 | 62,3 | 63,1 | 64,0 | 64,0 | 65,2 | 62,6 | 65,7 | 65,8 | 67,2 | 61,2 | 55,5 | | | |
| NFD 0, RPM | 315 | 53,0 | 57,2 | 59,2 | 59,9 | 61,1 | 62,6 | 63,5 | 64,3 | 65,0 | 65,0 | 64,2 | 65,3 | 58,4 | 51,9 | | | |
| (0, RAD/SEC) | 400 | 50,7 | 56,1 | 57,9 | 59,6 | 60,6 | 61,8 | 62,4 | 63,3 | 63,5 | 64,2 | 63,0 | 62,4 | 57,3 | 50,0 | | | |
| AIRFLOW RATIO | 500 | 48,2 | 54,7 | 56,5 | 58,4 | 59,8 | 60,7 | 61,2 | 62,1 | 63,2 | 63,2 | 61,0 | 60,1 | 53,4 | 46,2 | | | |
| WF/WM 8,00 | 630 | 47,2 | 53,4 | 55,8 | 56,9 | 57,8 | 59,9 | 60,7 | 61,3 | 62,8 | 62,1 | 60,2 | 58,5 | 51,5 | 44,0 | | | |
| | 800 | 45,7 | 52,2 | 55,3 | 56,9 | 57,4 | 58,8 | 58,9 | 60,2 | 60,6 | 60,5 | 58,4 | 55,8 | 50,0 | 41,1 | | | |
| VEHICLE JENOTS | 1000 | 44,0 | 51,0 | 53,4 | 55,0 | 57,0 | 57,7 | 58,0 | 58,5 | 59,3 | 59,1 | 57,1 | 54,0 | 47,4 | 38,3 | | | |
| CONFIG JE-094 | 1250 | 41,3 | 48,9 | 52,5 | 54,3 | 54,9 | 55,4 | 56,0 | 57,1 | 57,5 | 57,4 | 55,4 | 51,7 | 44,2 | 34,4 | | | |
| LOC EVENDALE | 1600 | 37,3 | 46,6 | 49,4 | 51,5 | 52,9 | 53,3 | 54,1 | 54,7 | 55,5 | 54,6 | 52,3 | 48,6 | 40,5 | 29,3 | | | |
| DATE 04-15-75 | 2000 | 32,7 | 42,2 | 45,8 | 48,0 | 50,0 | 50,6 | 51,2 | 51,9 | 53,2 | 52,5 | 48,7 | 44,2 | 35,7 | 22,8 | | | |
| RUN DBTP-MODEL 7 | 2500 | 26,6 | 36,3 | 40,7 | 43,5 | 45,3 | 45,9 | 47,3 | 47,8 | 48,8 | 48,0 | 44,9 | 38,7 | 29,6 | 14,3 | | | |
| TAPE X70420 | 3150 | 17,0 | 29,3 | 33,8 | 37,5 | 38,6 | 40,2 | 41,7 | 42,3 | 43,0 | 42,7 | 37,9 | 31,0 | 20,5 | 1,8 | | | |
| FAN TIP SPEED, | 4000 | 4,4 | 18,4 | 24,4 | 28,7 | 30,4 | 32,5 | 34,0 | 35,0 | 35,1 | 34,2 | 29,2 | 19,9 | 7,8 | | | | |
| FT/SEC | 5000 | | 11,2 | 18,6 | 23,3 | 24,7 | 26,3 | 27,7 | 28,6 | 29,3 | 27,1 | 21,8 | 12,0 | | | | | |
| | 6300 | | | 5,1 | 11,1 | 13,3 | 15,0 | 15,9 | 17,2 | 17,8 | 15,7 | 9,2 | | | | | | |
| | 8000 | | | | | | | 0,4 | 3,6 | 3,0 | 1,9 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL, CALCULATED | | 64,1 | 68,1 | 71,4 | 71,7 | 72,9 | 74,3 | 75,2 | 76,3 | 77,1 | 77,3 | 76,5 | 78,9 | 77,1 | 74,8 | | | |
| PND8 | | 64,9 | 70,6 | 73,3 | 72,0 | 76,2 | 77,5 | 78,2 | 79,3 | 79,9 | 80,0 | 78,5 | 78,9 | 73,9 | 69,6 | | | |

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| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | |
|--------------------|----------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| REV. | ALPHA 12773 | FREQ. | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) |
| RDG. NO. | NO EGA. | 50 | 85.4 | 74.7 | 84.8 | 77.9 | 78.9 | 79.7 | 81.0 | 82.1 | 84.0 | 85.3 | 83.2 | 91.5 | 94.7 | 84.8 | | | 144.9 |
| | | 63 | 86.8 | 78.5 | 80.8 | 78.2 | 79.7 | 80.6 | 82.7 | 82.9 | 84.9 | 85.7 | 85.7 | 93.6 | 94.5 | 85.3 | | | 145.7 |
| | | 80 | 87.6 | 79.9 | 81.2 | 79.7 | 81.4 | 81.2 | 83.6 | 84.4 | 85.9 | 85.4 | 86.4 | 92.1 | 93.9 | 86.3 | | | 145.5 |
| RADIAL 320, FT. | (98, M) | 100 | 88.4 | 80.6 | 80.9 | 81.0 | 81.5 | 81.5 | 82.6 | 85.1 | 87.0 | 88.5 | 88.9 | 92.5 | 92.7 | 85.9 | | | 146.0 |
| | | 125 | 89.8 | 80.1 | 82.7 | 81.4 | 81.7 | 82.9 | 84.6 | 86.1 | 86.6 | 88.3 | 87.9 | 92.9 | 92.3 | 82.9 | | | 146.0 |
| VEHICLE | JENOTS | 160 | 90.2 | 80.9 | 81.4 | 81.3 | 81.7 | 82.7 | 84.7 | 86.7 | 86.2 | 87.9 | 89.3 | 91.3 | 91.2 | 79.4 | | | 145.9 |
| CONFIG | JENOTS | 200 | 88.8 | 81.2 | 81.4 | 81.2 | 81.8 | 83.5 | 84.3 | 85.7 | 85.8 | 86.7 | 88.1 | 91.3 | 88.4 | 77.0 | | | 145.1 |
| LOC | EVENDALE | 250 | 90.6 | 81.1 | 80.5 | 82.2 | 82.5 | 83.4 | 83.5 | 84.3 | 85.2 | 86.4 | 87.2 | 90.3 | 87.3 | 75.5 | | | 144.7 |
| DATE | 04-15-75 | 315 | 89.1 | 80.8 | 81.3 | 80.0 | 80.6 | 82.2 | 82.7 | 83.9 | 85.1 | 86.3 | 86.5 | 88.9 | 85.9 | 73.5 | | | 143.8 |
| RUN | DBTF-MODEL 7 | 400 | 87.6 | 79.7 | 79.6 | 80.3 | 80.4 | 81.4 | 81.8 | 83.2 | 83.8 | 85.4 | 85.0 | 87.4 | 85.1 | 72.9 | | | 142.7 |
| TAPE | X70430 | 500 | 85.8 | 79.3 | 78.8 | 79.1 | 79.2 | 80.2 | 80.7 | 83.0 | 83.4 | 84.0 | 84.1 | 85.4 | 82.4 | 71.1 | | | 141.5 |
| BAR | 29.9 HG | 630 | 85.1 | 78.6 | 78.7 | 77.9 | 78.6 | 79.7 | 80.4 | 81.9 | 83.7 | 84.1 | 83.1 | 84.2 | 80.6 | 69.4 | | | 141.0 |
| | (01039, N/42) | 800 | 84.2 | 77.8 | 77.7 | 78.3 | 78.8 | 79.1 | 79.1 | 80.8 | 81.5 | 83.1 | 82.1 | 82.4 | 79.3 | 67.0 | | | 140.0 |
| TAMB | 59, DEG F | 1000 | 83.8 | 77.4 | 77.6 | 77.4 | 78.1 | 79.6 | 79.5 | 80.5 | 80.9 | 82.0 | 81.0 | 81.5 | 78.2 | 66.0 | | | 139.5 |
| | (288, DEG K) | 1250 | 83.1 | 75.5 | 77.3 | 77.3 | 77.5 | 77.4 | 78.1 | 79.1 | 80.2 | 80.7 | 79.7 | 79.6 | 76.5 | 64.9 | | | 138.5 |
| TWET | 53, DEG F | 1600 | 82.0 | 75.6 | 75.7 | 75.9 | 76.3 | 76.5 | 77.1 | 78.2 | 79.1 | 79.7 | 78.6 | 78.3 | 75.5 | 63.9 | | | 137.6 |
| | (285, DEG K) | 2000 | 79.8 | 73.4 | 73.9 | 73.7 | 75.1 | 75.1 | 75.5 | 77.0 | 78.2 | 78.6 | 76.8 | 76.4 | 73.6 | 61.7 | | | 136.2 |
| HACT | 8.91 GH/M3 | 2500 | 78.2 | 71.2 | 71.7 | 71.5 | 72.7 | 72.4 | 73.8 | 75.1 | 76.5 | 76.7 | 75.6 | 73.9 | 72.2 | 59.5 | | | 134.6 |
| | (.00891 KG/M3) | 3150 | 83.6 | 77.3 | 75.5 | 74.7 | 73.9 | 73.9 | 74.6 | 76.8 | 79.6 | 81.9 | 76.8 | 72.7 | 72.1 | 60.6 | | | 138.3 |
| FREQ. SHIFT | | 4000 | 79.3 | 72.4 | 71.9 | 70.1 | 69.7 | 69.7 | 70.3 | 72.2 | 74.4 | 75.8 | 73.5 | 70.6 | 69.2 | 57.6 | | | 134.4 |
| JET | 9 | 5000 | 71.7 | 65.6 | 66.1 | 65.2 | 65.2 | 64.5 | 65.0 | 66.6 | 69.0 | 69.0 | 67.2 | 65.6 | 64.8 | 53.1 | | | 128.8 |
| DIAMETER RATIO | | 6300 | 67.7 | 60.9 | 61.6 | 61.7 | 61.3 | 60.9 | 62.1 | 63.3 | 65.3 | 67.2 | 65.0 | 64.2 | 62.5 | 52.9 | | | 126.9 |
| DF/DM | 8.00 | 8000 | 64.3 | 57.5 | 58.2 | 59.1 | 58.7 | 57.4 | 58.2 | 60.3 | 64.0 | 67.6 | 64.2 | 64.1 | 63.1 | 54.4 | | | 127.3 |
| | | 10000 | 63.0 | 55.9 | 55.2 | 56.9 | 57.7 | 56.5 | 56.4 | 59.1 | 64.0 | 70.2 | 65.3 | 66.3 | 64.5 | 56.5 | | | 130.9 |
| OVERALL CALCULATED | | | 99.8 | 94.7 | 92.9 | 91.9 | 92.5 | 93.4 | 94.4 | 95.8 | 96.8 | 97.9 | 98.0 | 101.8 | 101.9 | 92.8 | | | 156.1 |
| | | | 108.4 | 101.3 | 101.0 | 100.4 | 100.5 | 100.9 | 101.6 | 103.4 | 105.1 | 106.7 | 104.5 | 105.8 | 104.2 | 94.2 | | | 157.4 |

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG, F, 70 PERCENT REL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV, ALPHA 12/73 | FREQ, | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0,0) | (0,0) | (0,0) |
| NO. EGA | 50 | 61,5 | 53,1 | 64,8 | 59,0 | 60,7 | 61,9 | 63,4 | 64,3 | 65,8 | 66,4 | 63,2 | 69,9 | 70,8 | 57,5 | | | |
| SIDELINE 2400, FT, | 63 | 62,9 | 56,9 | 60,7 | 59,3 | 61,4 | 62,8 | 65,0 | 65,1 | 66,7 | 66,7 | 65,6 | 71,9 | 70,6 | 57,9 | | | |
| (73,52 M) | 80 | 63,5 | 58,2 | 61,1 | 60,7 | 63,1 | 63,4 | 65,9 | 66,5 | 67,6 | 66,4 | 66,3 | 70,3 | 69,9 | 58,7 | | | |
| NFA 0, RPM | 100 | 64,3 | 58,8 | 60,7 | 61,9 | 63,1 | 63,6 | 64,8 | 67,2 | 68,7 | 68,4 | 68,7 | 70,7 | 68,5 | 58,2 | | | |
| (0, RAD/SEC) | 125 | 65,3 | 58,1 | 62,4 | 62,2 | 63,3 | 64,9 | 66,8 | 68,1 | 68,2 | 69,1 | 67,6 | 69,9 | 68,0 | 54,9 | | | |
| NFK 0, RPM | 160 | 65,7 | 58,8 | 60,9 | 62,0 | 63,2 | 64,6 | 66,7 | 68,6 | 67,6 | 68,6 | 68,9 | 69,3 | 66,6 | 51,1 | | | |
| (0, RAD/SEC) | 200 | 64,0 | 58,9 | 60,8 | 61,8 | 63,1 | 65,2 | 66,2 | 67,5 | 67,2 | 67,3 | 67,5 | 69,1 | 63,6 | 48,2 | | | |
| NFD 0, RPM | 250 | 65,5 | 58,5 | 59,7 | 62,5 | 63,6 | 65,0 | 65,3 | 65,9 | 66,4 | 66,7 | 66,3 | 67,7 | 62,2 | 46,3 | | | |
| (0, RAD/SEC) | 315 | 63,5 | 57,9 | 60,2 | 60,1 | 61,6 | 63,6 | 64,3 | 65,3 | 66,0 | 66,5 | 65,4 | 66,1 | 60,4 | 43,6 | | | |
| AIRFLOW RATIO | 400 | 61,5 | 56,4 | 58,1 | 60,1 | 61,1 | 62,5 | 63,1 | 64,3 | 64,5 | 65,2 | 63,5 | 64,1 | 59,0 | 42,2 | | | |
| WF/WM 8,00 | 500 | 59,0 | 55,5 | 57,0 | 58,6 | 59,6 | 61,0 | 61,7 | 63,9 | 63,7 | 63,5 | 62,3 | 61,6 | 55,6 | 39,4 | | | |
| | 630 | 57,5 | 54,1 | 56,3 | 56,9 | 58,5 | 60,1 | 61,0 | 62,3 | 63,6 | 63,1 | 60,7 | 59,8 | 53,0 | 36,5 | | | |
| | 800 | 55,4 | 52,4 | 54,6 | 56,7 | 58,2 | 59,0 | 59,1 | 60,7 | 60,8 | 61,8 | 58,9 | 57,0 | 50,5 | 32,4 | | | |
| VEHICLE JENOTS | 1000 | 53,7 | 51,0 | 53,7 | 55,0 | 56,8 | 58,9 | 59,0 | 59,8 | 59,5 | 59,6 | 57,1 | 55,2 | 48,1 | 29,3 | | | |
| CONFIG JEN054 | 1250 | 51,3 | 47,9 | 52,3 | 54,1 | 55,4 | 55,9 | 56,7 | 57,6 | 58,0 | 57,4 | 54,7 | 51,9 | 44,7 | 25,7 | | | |
| LOC EVENDALE | 1600 | 47,8 | 46,1 | 49,1 | 51,3 | 52,9 | 53,8 | 54,6 | 55,5 | 55,7 | 55,1 | 52,1 | 48,8 | 41,3 | 21,1 | | | |
| DATE 04-15-75 | 2000 | 42,7 | 41,7 | 45,5 | 47,5 | 50,3 | 51,1 | 51,7 | 52,9 | 53,4 | 52,5 | 48,4 | 44,7 | 36,5 | 14,6 | | | |
| RUN DBTC MODEL 7 | 2500 | 38,9 | 36,3 | 40,7 | 43,0 | 45,8 | 46,4 | 48,0 | 49,1 | 49,5 | 48,2 | 44,6 | 39,0 | 30,9 | 6,0 | | | |
| TAPE X70430 | 3150 | 35,5 | 37,3 | 40,3 | 42,5 | 43,6 | 44,7 | 45,7 | 47,6 | 49,3 | 49,7 | 41,6 | 32,7 | 24,0 | | | | |
| FAN TIP SPEED | 4000 | 21,2 | 24,6 | 30,4 | 32,4 | 34,4 | 35,7 | 36,7 | 38,2 | 39,1 | 38,2 | 31,9 | 22,9 | 11,0 | | | | |
| FT/SEC | 5000 | 7,7 | 13,4 | 20,9 | 25,0 | 27,0 | 27,8 | 28,7 | 29,9 | 30,8 | 28,1 | 22,0 | 13,5 | 0,8 | | | | |
| | 6300 | | | 5,6 | 11,3 | 14,5 | 16,0 | 17,9 | 18,4 | 18,5 | 16,9 | 9,0 | | | | | | |
| | 8000 | | | | | | 0,1 | 1,6 | 2,9 | 4,0 | 2,9 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 74,4 | 68,5 | 71,8 | 71,9 | 73,3 | 74,6 | 75,9 | 77,2 | 77,7 | 78,0 | 77,1 | 79,6 | 77,6 | 65,0 | | | |
| PND8 | | 75,3 | 71,2 | 74,0 | 75,4 | 76,8 | 78,2 | 79,1 | 80,4 | 80,8 | 81,0 | 79,1 | 79,7 | 74,8 | 58,3 | | | |

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| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|-------|
| NO EGA | 50 | 82.6 | 83.4 | 82.0 | 81.4 | 82.4 | 82.2 | 85.5 | 86.1 | 89.8 | 93.3 | 94.2 | 101.0 | 102.9 | 103.1 | | | | 153.7 |
| RDG. NO. 0 | 63 | 84.3 | 83.0 | 82.5 | 80.5 | 81.9 | 83.3 | 85.7 | 86.2 | 88.9 | 91.7 | 94.2 | 102.1 | 104.0 | 101.3 | | | | 154.0 |
| RADIAL 320. FT. | 100 | 83.7 | 82.9 | 83.4 | 82.7 | 84.2 | 84.2 | 85.9 | 87.9 | 90.0 | 93.5 | 96.4 | 100.0 | 100.2 | 102.7 | | | | 153.0 |
| (98. 9) | 125 | 83.8 | 82.1 | 83.7 | 83.1 | 83.7 | 85.4 | 87.1 | 88.1 | 90.4 | 93.8 | 95.7 | 97.9 | 98.1 | 99.7 | | | | 151.9 |
| VEHICLE JENOTS | 160 | 82.7 | 82.7 | 83.4 | 82.8 | 84.2 | 85.4 | 87.4 | 87.7 | 90.2 | 93.6 | 97.1 | 99.0 | 97.7 | 94.9 | | | | 151.4 |
| CONFIG JENOTS | 250 | 81.0 | 83.0 | 82.9 | 83.0 | 83.8 | 85.7 | 87.0 | 87.7 | 90.1 | 92.5 | 95.8 | 96.2 | 94.1 | 91.7 | | | | 149.7 |
| LCC EVENDALE | 250 | 82.6 | 81.8 | 81.0 | 83.4 | 84.2 | 85.1 | 86.0 | 87.1 | 89.5 | 92.4 | 94.9 | 96.0 | 91.6 | 89.5 | | | | 149.0 |
| DATE 04-16-75 | 315 | 83.8 | 81.6 | 82.3 | 81.5 | 82.1 | 83.7 | 85.5 | 86.9 | 88.8 | 90.6 | 92.5 | 93.4 | 89.7 | 87.0 | | | | 147.2 |
| RLN DBTF-MODEL 7 | 400 | 79.8 | 81.2 | 80.6 | 81.5 | 82.1 | 83.4 | 84.3 | 85.4 | 87.6 | 90.7 | 91.7 | 91.7 | 87.6 | 85.9 | | | | 146.2 |
| TAPE X70450 | 500 | 78.0 | 79.0 | 79.3 | 79.9 | 81.0 | 82.7 | 83.7 | 84.5 | 86.6 | 88.7 | 89.4 | 88.6 | 84.4 | 82.3 | | | | 144.4 |
| BAR 29.9 HG | 630 | 77.3 | 78.4 | 78.5 | 78.9 | 80.4 | 81.4 | 83.1 | 84.4 | 86.9 | 88.8 | 88.8 | 88.0 | 82.8 | 79.7 | | | | 144.0 |
| (01039, N742) | 800 | 76.2 | 78.0 | 78.2 | 78.8 | 79.8 | 80.6 | 81.8 | 82.8 | 85.0 | 86.6 | 86.8 | 85.6 | 81.0 | 77.0 | | | | 142.3 |
| TAMB 59. DEG F | 1000 | 75.3 | 77.6 | 77.4 | 78.6 | 79.4 | 79.9 | 80.8 | 81.5 | 83.9 | 85.2 | 85.5 | 83.3 | 79.0 | 75.5 | | | | 141.2 |
| (208. DEG K) | 1250 | 74.6 | 76.0 | 76.8 | 76.6 | 78.3 | 78.4 | 79.3 | 80.4 | 82.5 | 84.2 | 83.7 | 81.3 | 77.3 | 73.9 | | | | 139.9 |
| THBT 53. DEG F | 1600 | 72.5 | 74.6 | 75.2 | 75.4 | 76.3 | 77.0 | 78.1 | 78.9 | 80.9 | 82.0 | 82.1 | 79.3 | 75.0 | 71.4 | | | | 138.3 |
| (295. DEG K) | 2000 | 70.1 | 72.1 | 72.6 | 72.4 | 74.6 | 75.6 | 76.7 | 77.2 | 79.0 | 79.9 | 79.5 | 76.9 | 72.1 | 68.7 | | | | 136.5 |
| HACT 8.9. GH/M3 | 2500 | 67.2 | 69.7 | 69.9 | 70.2 | 71.5 | 72.4 | 73.8 | 74.8 | 77.2 | 77.6 | 78.1 | 74.1 | 70.7 | 66.0 | | | | 134.4 |
| (.00891 KG/M3) | 3150 | 64.6 | 67.3 | 67.3 | 68.2 | 68.4 | 69.9 | 71.3 | 72.3 | 74.1 | 74.6 | 75.1 | 72.0 | 70.1 | 65.6 | | | | 132.3 |
| FREQ. SHIFT | 4000 | 64.1 | 63.6 | 63.7 | 64.6 | 65.2 | 66.7 | 68.0 | 69.7 | 70.4 | 71.6 | 72.7 | 70.1 | 68.2 | 63.6 | | | | 130.1 |
| JET 9 | 5000 | 58.9 | 62.1 | 61.9 | 62.2 | 62.2 | 63.8 | 64.7 | 66.4 | 68.0 | 69.0 | 71.2 | 69.4 | 68.8 | 64.6 | | | | 128.5 |
| DIAMETER RATIO | 6300 | 56.7 | 59.4 | 59.1 | 59.9 | 59.6 | 62.9 | 63.1 | 65.3 | 65.1 | 69.0 | 73.0 | 71.9 | 70.8 | 66.4 | | | | 130.1 |
| DF/DM 8.00 | 8000 | 56.6 | 56.8 | 56.4 | 57.9 | 58.7 | 63.4 | 63.4 | 66.0 | 64.5 | 70.1 | 74.4 | 73.9 | 73.3 | 69.4 | | | | 133.4 |
| OVERALL CALCULATED | 10000 | 57.5 | 56.1 | 54.9 | 57.9 | 59.4 | 65.5 | 65.6 | 68.6 | 65.0 | 72.5 | 76.8 | 77.5 | 75.5 | 71.0 | | | | 138.5 |
| PND8 | 93.4 | 93.1 | 93.5 | 93.3 | 94.3 | 95.4 | 97.0 | 98.0 | 100.4 | 103.1 | 105.5 | 109.0 | 109.6 | 109.7 | 106.0 | | | | 162.0 |
| | 98.0 | 98.8 | 99.0 | 99.3 | 100.2 | 101.5 | 102.8 | 103.9 | 105.9 | 108.3 | 110.1 | 110.8 | 109.2 | 108.8 | 106.3 | | | | 163.3 |

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ORIGINAL PAGE
 OF FOUR QUARTERS

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
|--------------------|--------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ. | 50 | 58.8 | 58.9 | 62.0 | 62.5 | 64.2 | 64.4 | 67.9 | 68.3 | 71.6 | 74.4 | 74.2 | 79.4 | 79.1 | 75.8 | | | | |
| | NO EGA | 63 | 60.4 | 61.4 | 62.5 | 61.5 | 63.7 | 65.5 | 68.0 | 68.4 | 70.7 | 72.7 | 74.1 | 80.4 | 80.1 | 73.9 | | | | |
| SIBELINE 2400. FT. | | 80 | 60.5 | 61.0 | 63.3 | 62.7 | 64.9 | 65.1 | 68.1 | 68.7 | 71.6 | 71.7 | 75.6 | 79.3 | 78.1 | 76.5 | | | | |
| (731.52 M) | | 100 | 59.5 | 61.1 | 63.2 | 63.6 | 65.9 | 66.3 | 68.1 | 69.9 | 71.7 | 74.4 | 76.2 | 78.2 | 76.0 | 74.9 | | | | |
| NFA | 0. RPM | 125 | 59.5 | 60.1 | 63.4 | 63.9 | 65.3 | 67.4 | 69.3 | 70.1 | 71.9 | 74.6 | 75.4 | 75.9 | 73.8 | 71.6 | | | | |
| (| 0. RAD/SEC) | 150 | 58.2 | 60.5 | 62.9 | 63.5 | 65.7 | 67.3 | 69.4 | 69.6 | 71.6 | 74.3 | 76.6 | 76.6 | 73.1 | 66.6 | | | | |
| NFK | 0. RPM | 200 | 56.2 | 60.6 | 62.4 | 63.5 | 65.1 | 67.5 | 68.9 | 69.5 | 71.4 | 73.0 | 75.2 | 73.9 | 69.3 | 63.0 | | | | |
| (| 0. RAD/SEC) | 250 | 57.5 | 59.3 | 60.2 | 63.8 | 65.4 | 66.7 | 67.8 | 68.3 | 69.7 | 70.7 | 71.4 | 70.6 | 64.1 | 57.1 | | | | |
| NFD | 0. RPM | 315 | 55.3 | 58.7 | 61.2 | 61.6 | 63.1 | 65.1 | 67.0 | 68.7 | 70.6 | 72.7 | 74.1 | 73.4 | 66.5 | 60.3 | | | | |
| (| 0. RAD/SEC) | 400 | 53.7 | 57.9 | 59.1 | 61.3 | 62.8 | 64.5 | 65.6 | 66.6 | 68.3 | 70.5 | 70.3 | 68.4 | 61.5 | 55.2 | | | | |
| AIRFLOW RATIO | | 500 | 51.2 | 55.2 | 57.5 | 59.4 | 61.3 | 63.5 | 64.7 | 65.4 | 67.0 | 68.2 | 67.5 | 64.8 | 57.6 | 50.7 | | | | |
| WF/WM 8.00 | | 630 | 49.7 | 53.9 | 56.1 | 57.9 | 61.3 | 61.9 | 63.7 | 64.8 | 66.8 | 67.8 | 66.4 | 63.5 | 55.2 | 46.7 | | | | |
| | | 800 | 47.4 | 52.7 | 55.1 | 57.2 | 59.2 | 60.5 | 61.9 | 62.7 | 64.3 | 65.0 | 63.7 | 60.5 | 52.3 | 42.4 | | | | |
| VEHICLE | JENOTS | 1000 | 45.2 | 51.3 | 53.4 | 56.3 | 58.0 | 59.2 | 60.3 | 60.8 | 62.5 | 62.9 | 61.6 | 57.0 | 48.9 | 38.8 | | | | |
| CONFIG | JE-055 | 1250 | 42.8 | 48.4 | 51.0 | 53.3 | 56.1 | 56.9 | 58.0 | 58.8 | 60.3 | 60.9 | 58.7 | 53.7 | 45.5 | 34.7 | | | | |
| LCC | EVENDALE | 1600 | 38.3 | 45.1 | 48.6 | 50.8 | 52.9 | 54.3 | 55.6 | 56.2 | 57.5 | 57.4 | 55.6 | 49.8 | 40.8 | 28.6 | | | | |
| DATE | J4-16-75 | 2000 | 32.9 | 40.4 | 44.3 | 46.2 | 49.8 | 51.6 | 52.9 | 53.2 | 54.2 | 53.7 | 51.2 | 45.2 | 35.0 | 21.6 | | | | |
| RUN | DBTF-MODEL 7 | 2500 | 25.9 | 34.8 | 38.9 | 41.7 | 44.6 | 46.4 | 48.0 | 48.8 | 50.3 | 48.5 | 47.1 | 39.2 | 29.4 | 12.5 | | | | |
| TAPE | X7U450 | 3150 | 16.5 | 27.3 | 32.1 | 36.0 | 38.1 | 40.7 | 42.4 | 43.1 | 43.8 | 42.5 | 39.9 | 32.0 | 22.0 | 2.1 | | | | |
| FAN TIP SPEED | | 4000 | 2.9 | 15.9 | 22.1 | 26.9 | 29.9 | 32.7 | 34.5 | 35.7 | 35.1 | 33.9 | 31.2 | 22.4 | 10.0 | | | | | |
| FT/SEC | | 5000 | | 9.9 | 16.6 | 21.3 | 24.0 | 27.0 | 28.4 | 29.6 | 29.8 | 28.1 | 26.0 | 17.2 | 4.8 | | | | | |
| | | 6300 | | | 3.1 | 9.6 | 12.8 | 18.0 | 18.9 | 20.4 | 18.3 | 18.7 | 17.0 | 6.7 | | | | | | |
| | | 8000 | | | | | | 6.1 | 6.9 | 8.6 | 4.5 | 5.4 | 4.8 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 68.6 | 70.5 | 72.6 | 73.5 | 75.3 | 76.8 | 78.7 | 79.5 | 81.6 | 83.5 | 84.9 | 87.1 | 85.5 | 82.1 | | | | |
| PND8 | | | 68.0 | 72.0 | 74.3 | 76.1 | 78.1 | 79.8 | 81.3 | 82.3 | 84.0 | 85.8 | 86.3 | 85.6 | 81.1 | 76.8 | | | | |

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| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) |
| NO EGA | | 50 | 83.4 | 80.9 | 82.0 | 81.6 | 83.2 | 85.8 | 86.6 | 89.2 | 93.6 | 94.7 | 101.3 | 103.7 | 103.1 | 103.1 | 103.1 | 103.1 | 103.1 | 103.1 |
| REG. AC. C. | | 63 | 84.6 | 84.1 | 83.8 | 81.8 | 82.7 | 84.6 | 86.0 | 86.5 | 89.2 | 92.2 | 94.7 | 103.1 | 105.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 |
| RADIAL 320, FY | | 100 | 84.0 | 83.7 | 84.1 | 84.3 | 85.3 | 85.3 | 86.7 | 88.9 | 91.5 | 94.6 | 98.5 | 101.0 | 100.7 | 102.7 | 102.7 | 102.7 | 102.7 | 102.7 |
| (98.4) | | 125 | 84.3 | 82.9 | 84.5 | 83.9 | 84.8 | 85.9 | 87.9 | 88.8 | 90.9 | 94.1 | 96.5 | 98.4 | 98.8 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| VEHICLE JENOTS | | 160 | 83.2 | 83.2 | 83.9 | 83.3 | 84.2 | 85.7 | 87.9 | 88.4 | 90.9 | 94.1 | 97.3 | 99.2 | 97.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| CONFIG JENOTS | | 200 | 82.3 | 83.5 | 82.9 | 83.2 | 84.6 | 86.7 | 87.5 | 88.5 | 90.8 | 93.0 | 96.1 | 96.5 | 95.1 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| LOC EVENDALE | | 250 | 83.6 | 82.8 | 81.8 | 83.7 | 85.0 | 85.9 | 86.5 | 87.8 | 89.7 | 91.6 | 95.4 | 95.8 | 92.1 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| DATE 04-16-75 | | 315 | 81.6 | 81.8 | 82.5 | 81.7 | 82.6 | 84.0 | 85.7 | 86.2 | 89.1 | 91.9 | 93.3 | 94.2 | 89.9 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| RLN DBTF-MOORE 7 | | 400 | 79.9 | 81.5 | 80.8 | 82.0 | 82.7 | 83.7 | 84.6 | 85.7 | 87.9 | 90.4 | 92.2 | 92.4 | 88.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| TAPE X70480 | | 500 | 78.3 | 79.8 | 80.1 | 80.4 | 81.5 | 82.9 | 84.2 | 84.6 | 87.2 | 89.3 | 90.2 | 88.9 | 84.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| BAR 29.9 HG | | 630 | 77.9 | 79.1 | 79.0 | 79.5 | 80.4 | 82.0 | 83.2 | 84.4 | 87.3 | 88.1 | 88.8 | 86.8 | 82.4 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| (01039, N/A2) | | 800 | 76.7 | 78.3 | 78.5 | 79.1 | 80.1 | 81.2 | 81.9 | 83.4 | 85.0 | 86.7 | 87.4 | 85.2 | 80.3 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| TAMB 59, DEG F | | 1000 | 75.6 | 77.7 | 78.0 | 78.2 | 79.2 | 80.0 | 80.9 | 81.6 | 83.2 | 85.1 | 85.1 | 83.1 | 79.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| (228, DEG R) | | 1250 | 74.2 | 76.4 | 76.6 | 77.4 | 77.9 | 79.1 | 79.7 | 80.5 | 81.2 | 83.3 | 83.3 | 81.2 | 76.9 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| TKET 53, DEG F | | 1500 | 72.4 | 74.7 | 75.3 | 75.8 | 76.9 | 76.9 | 78.2 | 79.3 | 80.7 | 81.6 | 81.5 | 78.4 | 79.1 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| (285, DEG K) | | 2000 | 69.7 | 72.0 | 72.8 | 72.6 | 74.5 | 75.5 | 76.6 | 77.4 | 78.7 | 79.3 | 79.2 | 76.5 | 73.0 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| HACT 6.91 GM/H3 | | 2500 | 66.9 | 69.7 | 69.9 | 70.2 | 72.2 | 72.4 | 73.7 | 74.3 | 76.6 | 76.1 | 76.0 | 74.1 | 72.1 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| (100891 KG/H3) | | 3150 | 63.8 | 67.5 | 67.7 | 67.9 | 69.1 | 69.9 | 71.5 | 72.3 | 73.8 | 73.8 | 74.5 | 71.4 | 73.8 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| FREQ. SHIFT | | 4000 | 60.5 | 63.8 | 64.1 | 64.6 | 65.4 | 66.9 | 68.0 | 69.4 | 70.8 | 71.8 | 72.4 | 69.8 | 69.1 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| JET 9 | | 5000 | 58.6 | 61.8 | 61.8 | 62.1 | 63.4 | 63.9 | 64.6 | 66.1 | 67.2 | 68.7 | 71.4 | 68.3 | 69.0 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| DIAMETER RATIO | | 6300 | 56.8 | 59.0 | 59.3 | 59.8 | 63.7 | 62.8 | 63.3 | 65.0 | 64.7 | 69.1 | 72.9 | 70.1 | 72.2 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| DF/DM 8.00 | | 8000 | 56.5 | 56.2 | 56.1 | 58.3 | 64.8 | 63.3 | 63.1 | 65.9 | 64.3 | 70.2 | 74.8 | 72.0 | 73.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| OVERALL CALCULATED | | 10000 | 57.4 | 55.0 | 55.1 | 57.6 | 66.1 | 65.9 | 65.7 | 68.4 | 65.1 | 72.8 | 76.9 | 74.6 | 76.1 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| PNDB | | | 98.5 | 99.2 | 99.3 | 99.7 | 101.0 | 101.9 | 103.0 | 104.1 | 106.2 | 108.3 | 110.4 | 110.8 | 110.0 | 108.9 | 108.9 | 108.9 | 108.9 | 108.9 |
| | | | | | | | | | | | | | | | | | | | | 163.6 |

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ORIGINAL PAGE IS
OF POOR QUALITY

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY) | | | | | | | | | | | | | | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.10) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.0) | (3.0) |
| REV. ALPHA 12/73 | FREQ. | 50 | 59.5 | 59.4 | 62.0 | 62.7 | 64.4 | 65.4 | 68.1 | 68.8 | 72.3 | 74.6 | 74.7 | 79.7 | 79.8 | 75.8 | | |
| NO EGA | 63 | 60.6 | 62.4 | 63.7 | 62.8 | 64.5 | 66.8 | 68.3 | 68.6 | 70.9 | 73.2 | 74.6 | 81.5 | 81.1 | 73.6 | | | |
| SIDELINE 2400 FT. | 80 | 63.8 | 62.0 | 63.8 | 63.4 | 65.1 | 66.1 | 68.9 | 69.2 | 71.9 | 72.4 | 75.6 | 79.8 | 79.4 | 75.7 | | | |
| (731.52 M) | 100 | 69.8 | 61.9 | 63.9 | 65.1 | 66.9 | 67.3 | 68.9 | 70.9 | 73.2 | 75.5 | 78.2 | 79.2 | 76.5 | 74.9 | | | |
| NFA | 125 | 60.0 | 60.9 | 64.2 | 64.7 | 66.3 | 67.9 | 70.0 | 70.8 | 72.4 | 74.9 | 76.1 | 76.4 | 74.5 | 70.6 | | | |
| (0. RAD/SEC) | 160 | 58.7 | 61.0 | 63.4 | 64.0 | 65.7 | 67.6 | 69.9 | 70.3 | 72.4 | 74.8 | 76.9 | 77.1 | 72.6 | 66.1 | | | |
| NFK | 200 | 57.5 | 61.1 | 62.3 | 63.8 | 65.9 | 68.5 | 69.4 | 70.3 | 72.2 | 73.5 | 75.5 | 74.1 | 70.3 | 62.7 | | | |
| (0. RAD/SEC) | 250 | 58.5 | 60.3 | 61.0 | 64.0 | 66.1 | 67.5 | 68.3 | 69.4 | 70.9 | 72.0 | 74.6 | 73.2 | 67.0 | 60.6 | | | |
| NFB | 312 | 56.0 | 58.9 | 61.4 | 61.9 | 63.6 | 65.4 | 67.3 | 67.6 | 70.0 | 72.0 | 72.2 | 71.3 | 64.4 | 56.9 | | | |
| (0. RAD/SEC) | 400 | 53.8 | 58.2 | 59.4 | 61.9 | 63.3 | 64.8 | 65.9 | 66.8 | 68.5 | 70.3 | 70.8 | 69.1 | 62.3 | 53.8 | | | |
| AIRFLOW RATIO | 500 | 51.5 | 56.0 | 58.2 | 59.9 | 61.8 | 63.8 | 65.2 | 65.4 | 67.5 | 68.7 | 68.3 | 65.1 | 57.6 | 50.0 | | | |
| WF/WM 8.00 | 630 | 50.3 | 54.7 | 56.6 | 58.5 | 60.3 | 62.4 | 63.8 | 64.8 | 67.2 | 67.1 | 66.5 | 62.3 | 54.8 | 46.1 | | | |
| | 800 | 48.0 | 53.0 | 55.4 | 57.5 | 59.5 | 61.1 | 61.9 | 63.3 | 64.4 | 65.0 | 64.2 | 59.8 | 51.6 | 41.7 | | | |
| VEHICLE JETS | 1000 | 45.5 | 51.3 | 54.0 | 55.8 | 57.9 | 59.3 | 60.3 | 60.9 | 62.8 | 62.7 | 61.1 | 56.8 | 48.9 | 38.4 | | | |
| CONFIG JEM055 | 1250 | 42.4 | 48.7 | 51.6 | 54.2 | 55.7 | 57.5 | 58.3 | 58.9 | 60.9 | 60.1 | 58.6 | 52.5 | 45.1 | 34.0 | | | |
| LOC EVERDALB | 1600 | 38.2 | 45.2 | 48.8 | 51.2 | 53.5 | 54.2 | 55.7 | 56.6 | 57.4 | 57.0 | 55.0 | 49.0 | 40.9 | 28.2 | | | |
| DATE 04-10-75 | 2000 | 32.6 | 40.3 | 44.4 | 46.4 | 49.7 | 51.5 | 52.8 | 53.3 | 53.8 | 53.1 | 50.9 | 44.8 | 33.9 | 21.5 | | | |
| RLN DBTF-MODEL 7 | 2500 | 25.5 | 34.8 | 38.9 | 41.7 | 45.3 | 46.3 | 48.0 | 48.2 | 49.7 | 47.6 | 45.8 | 39.2 | 30.8 | 13.5 | | | |
| TAPE X70460 | 3150 | 15.7 | 27.5 | 32.5 | 35.7 | 38.8 | 40.6 | 42.6 | 43.0 | 43.5 | 41.7 | 39.3 | 31.4 | 23.7 | 2.0 | | | |
| FAN TIP SPEED | 4000 | 2.4 | 16.1 | 22.6 | 26.9 | 30.1 | 32.9 | 34.4 | 35.4 | 35.5 | 33.1 | 30.9 | 22.1 | 11.0 | | | | |
| FT/SEC | 5000 | | 9.6 | 16.6 | 21.2 | 27.2 | 27.2 | 28.4 | 29.3 | 28.9 | 27.8 | 26.2 | 16.1 | 5.0 | | | | |
| | 6300 | | | 3.2 | 9.5 | 16.9 | 17.9 | 19.0 | 20.1 | 17.9 | 18.8 | 16.9 | 4.8 | | | | | |
| | 8000 | | | | | 4.9 | 6.0 | 6.5 | 8.5 | 4.4 | 5.5 | 2.2 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 69.1 | 71.2 | 73.2 | 74.1 | 75.9 | 77.5 | 79.2 | 80.0 | 82.1 | 83.9 | 85.6 | 87.6 | 86.3 | 81.7 | | | |
| PND8 | | 68.6 | 72.4 | 74.7 | 76.6 | 78.7 | 80.3 | 81.7 | 82.6 | 84.5 | 85.7 | 86.7 | 85.9 | 81.7 | 76.5 | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL. HUM, DAY = JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|
| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) |
| | | | 83.4 | 81.4 | 85.0 | 82.1 | 83.6 | 84.2 | 86.5 | 87.6 | 90.8 | 94.1 | 95.0 | 101.3 | 103.9 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 |
| | NO EGA | 63 | 85.3 | 84.8 | 84.6 | 82.3 | 84.2 | 84.9 | 87.0 | 88.0 | 90.7 | 92.7 | 95.7 | 103.4 | 105.8 | 102.1 | 102.1 | 102.1 | 102.1 | 102.1 | 102.1 |
| | RDG, NO. | 63 | 85.3 | 84.2 | 85.2 | 83.2 | 84.7 | 84.7 | 87.6 | 88.6 | 90.9 | 92.4 | 97.2 | 102.8 | 104.4 | 104.0 | 104.0 | 104.0 | 104.0 | 104.0 | 104.0 |
| | RADIAL 320 FT. | 100 | 84.7 | 84.4 | 84.6 | 84.5 | 85.8 | 86.1 | 87.7 | 89.4 | 91.9 | 95.3 | 98.5 | 101.3 | 101.7 | 104.0 | 104.0 | 104.0 | 104.0 | 104.0 | 104.0 |
| | (98.4) | 125 | 85.6 | 84.1 | 85.5 | 85.5 | 85.3 | 86.9 | 88.9 | 89.8 | 92.1 | 94.8 | 97.2 | 98.9 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| | VEHICLE JENOTS | 160 | 84.2 | 84.2 | 84.9 | 84.8 | 85.5 | 86.7 | 88.4 | 89.4 | 91.7 | 95.4 | 98.3 | 100.0 | 97.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| | CCNFIG JE#055 | 200 | 83.0 | 84.7 | 84.4 | 84.5 | 85.6 | 87.2 | 88.8 | 89.2 | 91.3 | 94.3 | 97.3 | 97.0 | 95.1 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| | LCC EVF, DALE | 250 | 84.1 | 83.8 | 83.3 | 85.4 | 85.7 | 87.1 | 87.8 | 88.8 | 91.0 | 92.9 | 96.2 | 96.5 | 92.9 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| | DATE 34-16-75 | 315 | 82.1 | 83.8 | 83.8 | 82.7 | 84.1 | 85.5 | 87.0 | 88.2 | 90.6 | 92.6 | 94.3 | 94.7 | 90.2 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| | RLN DBTF-MODEL 7 | 400 | 80.9 | 82.7 | 82.8 | 83.3 | 83.9 | 84.9 | 86.1 | 86.9 | 89.4 | 91.7 | 93.0 | 93.7 | 89.6 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| | TAPP X73470 | 530 | 79.8 | 81.6 | 81.1 | 81.7 | 82.5 | 83.9 | 85.2 | 86.3 | 88.4 | 90.5 | 91.7 | 90.4 | 86.7 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| | BAR 29.9 HG | 630 | 78.9 | 80.1 | 80.2 | 80.7 | 81.9 | 83.8 | 84.7 | 86.2 | 88.0 | 89.4 | 90.6 | 89.3 | 84.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| | (01039, N/M2) | 800 | 78.5 | 79.6 | 80.0 | 80.3 | 81.4 | 82.4 | 83.6 | 84.4 | 86.5 | 87.9 | 88.1 | 87.2 | 83.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| | TAMB 59 DEG F | 1000 | 76.6 | 78.7 | 79.2 | 79.7 | 80.7 | 81.3 | 81.9 | 82.9 | 85.2 | 86.6 | 86.8 | 85.4 | 82.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| | (288 DEG K) | 1250 | 75.4 | 77.9 | 78.1 | 78.9 | 80.1 | 80.3 | 81.4 | 82.0 | 84.3 | 85.1 | 84.8 | 83.4 | 80.1 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| | TWET 53 DEG F | 1600 | 73.7 | 76.2 | 76.1 | 77.0 | 78.7 | 78.9 | 80.2 | 80.8 | 82.0 | 83.6 | 83.2 | 81.7 | 78.6 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| | (285 DEG K) | 2000 | 71.2 | 74.0 | 74.5 | 74.6 | 76.3 | 77.5 | 78.6 | 78.9 | 80.4 | 81.1 | 81.5 | 79.8 | 77.0 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| | HACT 8.91 GN/H3 | 2500 | 68.1 | 70.9 | 71.6 | 72.9 | 73.7 | 74.6 | 75.7 | 75.5 | 78.6 | 78.9 | 79.8 | 77.3 | 74.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| | (00891 KG/H3) | 3150 | 66.0 | 69.2 | 69.5 | 70.9 | 71.4 | 71.6 | 73.3 | 73.8 | 75.3 | 76.3 | 76.8 | 74.7 | 74.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| | FREQ. SHIFT | 4000 | 62.3 | 65.8 | 66.9 | 67.3 | 67.6 | 68.9 | 70.5 | 71.2 | 72.1 | 73.5 | 74.9 | 72.6 | 71.6 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| | JET 9 | 5000 | 57.8 | 63.8 | 64.5 | 65.6 | 65.9 | 66.2 | 67.1 | 68.3 | 68.9 | 70.2 | 73.2 | 70.3 | 70.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| | DIAMETER RATIO | 6300 | 57.1 | 62.0 | 61.8 | 64.3 | 63.7 | 64.0 | 64.8 | 66.7 | 66.2 | 69.9 | 73.1 | 70.6 | 71.9 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| | DF/DM 8.00 | 8000 | 54.5 | 58.9 | 59.3 | 64.8 | 63.8 | 63.6 | 63.8 | 66.6 | 65.3 | 71.0 | 75.1 | 72.5 | 74.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| | 10000 | 53.7 | 56.8 | 56.1 | 65.3 | 65.1 | 65.7 | 65.5 | 68.7 | 65.3 | 73.1 | 76.6 | 74.9 | 75.9 | 80.1 | 139.2 | 139.2 | 139.2 | 139.2 | 139.2 | 139.2 |
| | OVERALL CALCULATED | | 94.7 | 94.8 | 95.3 | 95.0 | 96.0 | 97.0 | 98.6 | 99.6 | 101.9 | 104.4 | 107.0 | 110.1 | 111.0 | 110.2 | 110.2 | 110.2 | 110.2 | 110.2 | 110.2 |
| | PNDP | | 99.3 | 100.6 | 100.9 | 101.4 | 102.3 | 103.2 | 104.5 | 105.4 | 107.4 | 109.5 | 111.6 | 112.0 | 111.1 | 111.1 | 111.1 | 111.1 | 111.1 | 111.1 | 111.1 |
| | | | | | | | | | | | | | | | | | | | | | 164.6 |

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV: ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | | 50 | 59.5 | 59.9 | 65.0 | 63.2 | 65.4 | 66.4 | 68.9 | 69.8 | 72.6 | 75.1 | 75.0 | 79.7 | 80.1 | 76.0 | | | | | |
| SIDELINE 2430. FT. | | 63 | 61.4 | 63.2 | 64.5 | 63.3 | 66.0 | 67.0 | 69.3 | 70.1 | 72.4 | 73.7 | 75.6 | 81.7 | 81.9 | 74.6 | | | | | |
| (731.52 H) | | 80 | 61.3 | 62.5 | 65.1 | 64.2 | 66.4 | 66.9 | 69.9 | 70.7 | 72.6 | 73.4 | 77.1 | 81.1 | 80.4 | 76.9 | | | | | |
| NFA 0. RPM | | 100 | 60.5 | 62.6 | 64.4 | 65.4 | 67.4 | 68.1 | 69.9 | 71.4 | 73.5 | 76.1 | 78.2 | 79.4 | 77.5 | 76.2 | | | | | |
| (0. RAD/SEC) | | 125 | 61.2 | 62.2 | 65.2 | 66.3 | 66.8 | 68.9 | 71.0 | 71.8 | 73.7 | 75.6 | 76.6 | 76.9 | 74.5 | 71.1 | | | | | |
| AFK 0. RPM | | 160 | 59.7 | 62.0 | 64.4 | 65.5 | 66.9 | 68.6 | 70.4 | 71.3 | 73.1 | 76.1 | 77.9 | 77.8 | 73.1 | 66.8 | | | | | |
| (0. RAD/SEC) | | 200 | 58.2 | 62.4 | 63.8 | 65.0 | 66.9 | 69.0 | 70.7 | 71.0 | 72.7 | 74.8 | 76.7 | 74.6 | 70.3 | 63.2 | | | | | |
| NFB 0. RPM | | 250 | 59.0 | 61.3 | 62.5 | 65.8 | 66.9 | 68.7 | 69.5 | 70.4 | 72.1 | 73.3 | 75.3 | 73.9 | 67.7 | 61.6 | | | | | |
| (0. RAD/SEC) | | 315 | 56.5 | 60.7 | 62.7 | 62.9 | 65.1 | 66.9 | 68.5 | 69.6 | 71.5 | 72.7 | 73.2 | 71.8 | 64.6 | 58.2 | | | | | |
| AIRFLOW RATIO | | 400 | 54.8 | 59.4 | 61.4 | 62.9 | 64.6 | 66.0 | 67.4 | 68.1 | 70.0 | 71.5 | 71.5 | 70.4 | 63.5 | 55.8 | | | | | |
| WF/WH 8.00 | | 500 | 53.0 | 57.7 | 59.2 | 61.2 | 62.8 | 64.8 | 66.2 | 67.1 | 68.8 | 70.0 | 69.8 | 66.6 | 59.9 | 52.9 | | | | | |
| | | 630 | 51.3 | 55.7 | 57.8 | 59.7 | 61.8 | 64.2 | 65.3 | 66.7 | 67.9 | 68.4 | 68.2 | 64.8 | 57.3 | 50.0 | | | | | |
| VEHICLE JENOTS | | 800 | 49.2 | 54.2 | 56.9 | 58.7 | 60.7 | 62.3 | 63.7 | 64.3 | 65.9 | 66.3 | 65.0 | 61.8 | 54.6 | 46.7 | | | | | |
| CCNFIC JE#055 | | 1000 | 46.5 | 52.3 | 55.3 | 57.3 | 59.4 | 60.5 | 61.3 | 62.1 | 63.8 | 64.2 | 62.9 | 59.0 | 51.9 | 43.4 | | | | | |
| LOC EVENDALE | | 1250 | 43.6 | 50.2 | 53.1 | 55.7 | 58.0 | 58.8 | 60.1 | 60.4 | 62.1 | 61.8 | 59.8 | 55.8 | 48.3 | 39.5 | | | | | |
| DATE 04-16-75 | | 1600 | 39.4 | 46.7 | 49.5 | 52.4 | 55.3 | 56.2 | 57.7 | 58.1 | 58.6 | 59.0 | 56.7 | 52.2 | 44.4 | 34.5 | | | | | |
| RUN CBYF-MODEL 7 | | 2000 | 34.1 | 42.3 | 46.2 | 48.4 | 51.4 | 53.5 | 54.8 | 54.8 | 55.6 | 54.9 | 53.1 | 48.1 | 39.9 | 28.2 | | | | | |
| TAPE X70470 | | 2500 | 28.8 | 36.0 | 40.6 | 44.4 | 46.8 | 48.6 | 50.0 | 49.5 | 51.7 | 50.4 | 48.8 | 42.4 | 33.5 | 20.5 | | | | | |
| FAK YIP SPEED | | 3150 | 18.0 | 29.2 | 34.3 | 38.7 | 41.1 | 42.4 | 44.4 | 44.5 | 45.0 | 44.2 | 41.6 | 34.7 | 26.0 | 10.0 | | | | | |
| FT/SEC | | 4000 | 4.1 | 18.1 | 25.3 | 29.6 | 32.3 | 34.9 | 36.9 | 37.2 | 36.8 | 35.9 | 33.4 | 24.8 | 13.5 | | | | | | |
| | | 5000 | | 11.6 | 19.3 | 24.7 | 27.7 | 29.4 | 30.9 | 31.5 | 30.7 | 29.3 | 27.9 | 18.1 | 6.8 | | | | | | |
| | | 6300 | | | 5.7 | 14.0 | 16.9 | 19.1 | 20.5 | 21.8 | 19.4 | 19.6 | 17.1 | 5.3 | | | | | | | |
| | | 8000 | | | | 0.0 | 3.9 | 6.2 | 7.3 | 9.3 | 5.4 | 6.3 | 2.5 | | | | | | | | |
| OVERALL CALCULATED | | 10000 | | | | | | | | | | | | | | | | | | | |
| PNDB | | | 69.9 | 72.2 | 74.5 | 75.2 | 76.9 | 78.4 | 80.2 | 81.1 | 83.1 | 84.9 | 86.4 | 88.2 | 88.9 | 82.5 | | | | | |
| | | | 69.5 | 73.7 | 76.2 | 78.0 | 79.9 | 81.6 | 83.1 | 83.9 | 85.7 | 87.0 | 87.9 | 87.0 | 82.9 | 78.2 | | | | | |

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| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PWL | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | |
| | 50 | 85.1 | 82.2 | 85.8 | 83.6 | 83.4 | 84.7 | 87.8 | 88.6 | 91.8 | 96.1 | 98.0 | 104.3 | 105.9 | 105.1 | 104.6 | 103.7 | 102.8 | 101.9 | |
| NO EGA | 80 | 83.8 | 87.4 | 87.7 | 85.9 | 86.5 | 86.9 | 88.5 | 90.2 | 92.7 | 95.7 | 99.2 | 107.6 | 109.3 | 104.6 | 107.9 | 107.5 | 107.5 | 107.5 | |
| RDG. NO. 0. | 100 | 89.7 | 87.2 | 87.6 | 86.8 | 88.3 | 88.1 | 90.0 | 91.6 | 93.5 | 96.8 | 101.0 | 105.3 | 105.7 | 108.3 | 108.3 | 108.3 | 108.3 | 108.3 | |
| RADIAL 320. FT. | 120 | 89.3 | 87.4 | 87.8 | 86.9 | 88.0 | 88.2 | 91.4 | 91.6 | 94.6 | 98.3 | 101.5 | 103.2 | 104.1 | 104.7 | 104.7 | 104.7 | 104.7 | 104.7 | |
| (98. 4) | 150 | 87.2 | 86.9 | 87.1 | 87.3 | 88.0 | 88.2 | 91.7 | 91.9 | 94.4 | 97.9 | 101.8 | 104.2 | 103.2 | 101.7 | 101.7 | 101.7 | 101.7 | 101.7 | |
| VEHICLE JENOTS | 200 | 86.0 | 86.5 | 86.7 | 86.5 | 87.8 | 88.5 | 91.0 | 92.5 | 94.1 | 97.0 | 101.1 | 100.7 | 100.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | |
| CCAFIG JENOTS | 250 | 86.3 | 85.8 | 84.8 | 86.7 | 88.0 | 88.1 | 90.0 | 91.3 | 93.5 | 96.6 | 98.9 | 100.8 | 97.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | |
| LCC EVENDALE | 315 | 84.6 | 84.8 | 85.3 | 84.2 | 85.9 | 87.7 | 89.2 | 90.9 | 93.3 | 95.6 | 97.0 | 98.0 | 94.4 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | |
| DATE 64-14-75 | 400 | 82.9 | 84.0 | 84.1 | 85.0 | 85.7 | 86.9 | 88.1 | 89.7 | 92.4 | 94.9 | 95.7 | 95.9 | 93.4 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | |
| RLN DBTF-MODEL 7 | 500 | 81.0 | 82.6 | 82.8 | 83.4 | 84.5 | 86.4 | 88.0 | 89.3 | 91.2 | 93.5 | 93.9 | 93.2 | 89.9 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | |
| TAPE X70490 | 630 | 80.1 | 81.1 | 81.5 | 81.7 | 83.7 | 85.0 | 86.7 | 88.2 | 91.2 | 93.4 | 92.8 | 91.3 | 87.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | |
| BAB 29.9 HG | 800 | 79.0 | 80.6 | 80.5 | 81.6 | 82.9 | 84.4 | 85.4 | 86.9 | 89.8 | 91.4 | 91.4 | 89.7 | 85.8 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | |
| (G1039, N/M2) | 1000 | 78.1 | 79.7 | 80.0 | 80.9 | 82.2 | 83.5 | 83.9 | 86.1 | 88.4 | 90.1 | 88.8 | 86.4 | 83.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | |
| TAMB 59. DEG F | 1250 | 76.9 | 78.4 | 79.1 | 79.7 | 81.1 | 82.3 | 82.9 | 85.0 | 87.6 | 88.3 | 87.3 | 84.2 | 80.4 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | |
| (288. DEG K) | 1500 | 74.7 | 77.0 | 77.3 | 78.3 | 79.7 | 80.2 | 82.2 | 83.1 | 85.2 | 86.3 | 85.2 | 81.9 | 77.6 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | |
| TMET 53. DEG F | 2000 | 72.0 | 74.3 | 75.0 | 75.3 | 77.8 | 78.5 | 79.9 | 81.1 | 83.7 | 84.1 | 83.0 | 79.5 | 75.0 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | |
| (285. DEG K) | 2500 | 69.1 | 71.9 | 72.6 | 73.2 | 74.9 | 75.6 | 77.7 | 79.0 | 81.1 | 81.1 | 80.6 | 76.3 | 72.3 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | |
| HACT 8.9 GM/M3 | 3150 | 67.0 | 69.5 | 70.7 | 70.9 | 71.6 | 72.9 | 75.0 | 76.0 | 78.5 | 78.3 | 77.5 | 73.9 | 71.5 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | |
| (.00891 KG/M3) | 4000 | 63.0 | 67.1 | 66.9 | 67.8 | 68.4 | 70.2 | 71.5 | 73.2 | 74.6 | 76.0 | 75.4 | 71.8 | 70.1 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | |
| FREQ. SHIFT | 5000 | 61.8 | 65.9 | 65.0 | 65.8 | 65.9 | 66.9 | 67.9 | 69.6 | 72.9 | 74.5 | 73.4 | 71.3 | 70.0 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | |
| JET 9 | 6300 | 58.8 | 63.8 | 63.5 | 64.6 | 63.7 | 64.0 | 65.5 | 67.5 | 71.7 | 75.9 | 73.4 | 73.3 | 71.2 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | |
| DIAMETER RATIO | 8000 | 53.5 | 63.9 | 63.1 | 64.8 | 63.6 | 64.1 | 64.6 | 67.6 | 73.3 | 78.2 | 75.1 | 76.0 | 74.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | |
| DF/DM 8.00 | 10000 | 57.7 | 63.8 | 63.6 | 66.1 | 65.1 | 66.2 | 66.0 | 68.9 | 74.3 | 81.1 | 77.4 | 77.9 | 75.9 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | |
| OVERALL CALCULATED | 101.5 | 102.1 | 102.4 | 102.8 | 103.9 | 105.0 | 106.4 | 107.9 | 110.5 | 112.8 | 114.4 | 115.1 | 114.0 | 114.4 | 114.4 | 114.4 | 114.4 | 114.4 | 114.4 | |
| PWDB | | | | | | | | | | | | | | | | | | | 1.3 | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| REV. ALPHA 12/73 FREQ. | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) |
| NO EGA | | 50 | 61.3 | 60.6 | 65.8 | 64.7 | 67.2 | 66.9 | 70.1 | 70.8 | 73.6 | 77.1 | 78.0 | 82.7 | 82.1 | 77.9 | 77.1 | 77.1 |
| SIDELINE 2400. FT. | | 60 | 65.6 | 66.7 | 67.5 | 66.5 | 68.2 | 69.0 | 70.8 | 72.4 | 74.4 | 76.7 | 79.1 | 86.0 | 85.4 | 80.0 | 80.0 | 80.0 |
| (731.52 M) | | 100 | 64.8 | 65.7 | 67.6 | 66.9 | 68.6 | 69.4 | 71.9 | 73.0 | 75.1 | 76.7 | 81.1 | 85.3 | 83.9 | 80.0 | 80.0 | 80.0 |
| NFA 0. RPM | | 120 | 64.5 | 65.3 | 67.4 | 67.6 | 69.9 | 70.1 | 72.2 | 73.7 | 75.2 | 77.6 | 80.8 | 83.4 | 81.5 | 80.0 | 80.0 | 80.0 |
| (0. RAD/SEC) | | 160 | 62.7 | 64.8 | 66.6 | 68.0 | 69.4 | 71.1 | 73.7 | 73.8 | 75.9 | 78.6 | 81.1 | 82.1 | 78.6 | 73.3 | 73.3 | 73.3 |
| NFK 0. RPM | | 200 | 61.2 | 64.1 | 66.0 | 67.0 | 69.1 | 71.3 | 72.9 | 74.3 | 75.4 | 77.5 | 80.5 | 78.4 | 75.3 | 70.0 | 70.0 | 70.0 |
| (0. RAD/SEC) | | 250 | 61.2 | 63.3 | 64.0 | 67.0 | 69.1 | 70.7 | 71.8 | 72.9 | 74.6 | 77.0 | 78.1 | 78.2 | 72.2 | 67.6 | 67.6 | 67.6 |
| NFD 0. RPM | | 315 | 59.0 | 61.9 | 64.2 | 64.4 | 66.8 | 69.1 | 70.8 | 72.3 | 74.3 | 75.7 | 75.9 | 75.1 | 68.9 | 64.2 | 64.2 | 64.2 |
| (0. RAD/SEC) | | 400 | 56.8 | 60.7 | 62.6 | 64.9 | 66.3 | 68.0 | 69.4 | 70.8 | 73.0 | 74.8 | 74.3 | 72.6 | 67.3 | 61.3 | 61.3 | 61.3 |
| AIRFLOW RATIO | | 500 | 54.3 | 58.7 | 61.0 | 62.9 | 64.8 | 67.3 | 69.0 | 70.1 | 71.5 | 73.0 | 72.1 | 69.4 | 63.1 | 57.0 | 57.0 | 57.0 |
| WF/WF 8.00 | | 630 | 52.5 | 56.7 | 59.1 | 60.7 | 63.6 | 65.4 | 67.3 | 69.7 | 71.1 | 72.4 | 70.5 | 66.8 | 60.3 | 52.0 | 52.0 | 52.0 |
| | | 800 | 50.2 | 55.2 | 57.4 | 60.0 | 62.2 | 64.3 | 65.4 | 66.8 | 69.1 | 69.8 | 68.2 | 64.3 | 57.1 | 46.7 | 46.7 | 46.7 |
| VEHICLE JENOTS | | 1000 | 48.0 | 53.3 | 56.0 | 58.6 | 60.9 | 62.8 | 63.3 | 65.4 | 67.1 | 67.7 | 64.9 | 60.0 | 53.2 | 42.9 | 42.9 | 42.9 |
| CONFIG JE#055 | | 1250 | 45.1 | 50.7 | 54.1 | 56.4 | 59.0 | 60.8 | 61.6 | 63.4 | 65.4 | 65.1 | 62.3 | 56.5 | 48.6 | 38.0 | 38.0 | 38.0 |
| LCC EVENDALE | | 1600 | 40.4 | 47.5 | 50.8 | 53.7 | 56.3 | 57.5 | 59.7 | 60.4 | 61.9 | 61.7 | 58.7 | 52.5 | 43.4 | 32.2 | 32.2 | 32.2 |
| DATE 04-16-75 | | 2000 | 34.9 | 42.6 | 46.7 | 49.1 | 52.9 | 54.5 | 56.1 | 57.1 | 58.8 | 57.9 | 54.6 | 47.8 | 37.9 | 25.5 | 25.5 | 25.5 |
| RUN DBTF-MODEL 7 | | 2500 | 27.8 | 37.0 | 41.6 | 44.7 | 48.0 | 49.6 | 52.0 | 53.0 | 54.2 | 52.6 | 49.6 | 41.4 | 31.0 | 18.2 | 18.2 | 18.2 |
| TAPE > X70490 | | 3150 | 19.0 | 29.5 | 35.5 | 38.7 | 41.3 | 43.6 | 46.1 | 46.8 | 48.2 | 46.2 | 42.3 | 33.9 | 23.5 | 8.8 | 8.8 | 8.8 |
| FAN TIP SPEED | | 4000 | 4.9 | 19.3 | 25.3 | 30.1 | 33.1 | 36.2 | 37.9 | 39.2 | 39.3 | 38.4 | 33.9 | 24.1 | 12.0 | | | |
| FT/SEC | | 5000 | | 12.9 | 19.8 | 24.9 | 27.7 | 30.2 | 31.6 | 32.8 | 34.7 | 33.6 | 28.2 | 19.1 | 6.0 | | | |
| | | 6300 | | | 7.9 | 14.2 | 16.9 | 19.1 | 21.3 | 22.6 | 24.9 | 25.6 | 17.4 | 8.1 | | | | |
| | | 8000 | | | | 0.0 | 3.6 | 6.7 | 8.0 | 10.3 | 13.4 | 13.5 | 2.5 | | | | | |
| OVERALL CALCULATED | | 10000 | 73.1 | 74.6 | 76.5 | 77.1 | 79.1 | 80.5 | 82.5 | 83.6 | 85.5 | 87.7 | 89.7 | 92.1 | 90.5 | 86.1 | | |
| PNDB | | | 72.0 | 75.3 | 77.8 | 79.7 | 81.9 | 83.7 | 85.4 | 86.7 | 88.6 | 90.2 | 91.1 | 90.6 | 87.1 | 83.1 | | |

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| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|--------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|-----|-------|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | | |
| NO EGA | 30 | 85.1 | 82.7 | 90.3 | 84.6 | 85.6 | 85.9 | 88.8 | 89.8 | 93.0 | 97.6 | 97.7 | 106.0 | 107.4 | 107.6 | | | | 158.2 | |
| RDG. NO. 01 | 63 | 88.8 | 88.1 | 88.1 | 86.0 | 86.5 | 87.6 | 89.5 | 90.7 | 93.4 | 97.9 | 97.5 | 107.6 | 108.8 | 106.1 | | | | 158.9 | |
| RADIAL 320, FR | 80 | 87.6 | 88.2 | 88.4 | 86.4 | 87.2 | 87.7 | 90.1 | 92.1 | 94.9 | 97.2 | 100.7 | 102.8 | 109.4 | 109.3 | | | | 160.0 | |
| (98, 4) | 100 | 87.2 | 87.6 | 88.6 | 87.7 | 88.5 | 88.5 | 90.6 | 93.1 | 94.3 | 98.2 | 100.4 | 105.2 | 106.2 | 110.4 | | | | 158.9 | |
| VEHICLE JENOTS | 125 | 88.1 | 86.9 | 89.0 | 87.7 | 88.0 | 89.4 | 91.6 | 93.8 | 93.6 | 99.3 | 101.0 | 104.6 | 104.8 | 105.7 | | | | 157.5 | |
| CONFIG JF-054 | 160 | 86.7 | 87.4 | 88.4 | 87.5 | 87.7 | 89.7 | 92.7 | 94.2 | 95.2 | 99.1 | 101.3 | 103.5 | 102.7 | 101.9 | | | | 156.4 | |
| LOC EVENDALE | 200 | 85.0 | 87.0 | 86.4 | 87.2 | 88.3 | 90.0 | 91.5 | 92.7 | 94.3 | 97.7 | 99.8 | 101.0 | 99.4 | 98.5 | | | | 154.4 | |
| DATE 04-15-75 | 250 | 85.6 | 86.6 | 86.3 | 87.7 | 89.2 | 89.6 | 90.8 | 92.1 | 94.2 | 97.1 | 98.2 | 99.5 | 97.6 | 96.5 | | | | 153.3 | |
| RUN DBTF-MODEL 7 | 315 | 83.8 | 86.1 | 86.5 | 85.5 | 86.1 | 87.9 | 90.0 | 91.7 | 94.1 | 96.6 | 95.8 | 97.2 | 94.4 | 93.0 | | | | 151.8 | |
| TAPE X70500 | 400 | 81.8 | 85.2 | 84.3 | 85.0 | 85.9 | 87.6 | 88.6 | 90.4 | 92.6 | 95.2 | 94.7 | 95.9 | 92.9 | 90.4 | | | | 150.4 | |
| BAR 29.9 HG | 500 | 80.5 | 83.0 | 83.6 | 83.9 | 85.0 | 86.9 | 87.2 | 89.8 | 91.6 | 94.0 | 92.6 | 93.1 | 89.6 | 87.6 | | | | 148.9 | |
| (01039, N/H2) | 630 | 79.1 | 80.6 | 81.7 | 82.2 | 83.4 | 84.7 | 86.6 | 88.6 | 90.7 | 93.1 | 90.8 | 90.5 | 86.8 | 84.4 | | | | 147.4 | |
| TAMB 59, DEG F | 800 | 77.7 | 80.0 | 80.7 | 81.5 | 82.3 | 83.6 | 85.3 | 87.1 | 89.5 | 91.1 | 88.5 | 87.6 | 83.5 | 81.0 | | | | 145.7 | |
| (288, DEG K) | 1000 | 76.3 | 78.9 | 80.1 | 80.4 | 81.6 | 82.4 | 83.8 | 85.3 | 87.1 | 89.2 | 86.5 | 85.3 | 81.2 | 78.5 | | | | 144.0 | |
| THET 53, DEG F | 1250 | 75.3 | 78.0 | 78.5 | 79.1 | 80.5 | 81.0 | 82.3 | 83.9 | 86.0 | 87.2 | 85.2 | 82.8 | 79.3 | 76.6 | | | | 142.5 | |
| (285, DEG K) | 1600 | 73.3 | 76.6 | 76.9 | 77.9 | 78.8 | 79.3 | 81.1 | 82.2 | 84.1 | 85.2 | 82.4 | 80.3 | 77.5 | 75.7 | | | | 140.8 | |
| HACT 8.91 GM/M3 | 2000 | 70.8 | 74.2 | 75.2 | 75.5 | 77.6 | 77.6 | 79.0 | 80.8 | 82.0 | 82.9 | 80.3 | 78.6 | 75.1 | 73.0 | | | | 139.1 | |
| (.00891 KG/M3) | 2500 | 68.5 | 72.3 | 73.0 | 73.5 | 74.8 | 75.5 | 76.9 | 77.4 | 80.0 | 80.0 | 77.9 | 76.7 | 73.5 | 71.0 | | | | 136.9 | |
| FREQ. SHIFT | 3150 | 66.7 | 69.9 | 70.6 | 72.0 | 72.3 | 74.6 | 75.7 | 77.2 | 77.7 | 73.2 | 74.3 | 72.7 | 70.9 | | | | | 135.0 | |
| JET | 4000 | 63.5 | 67.1 | 68.1 | 68.6 | 68.9 | 70.7 | 71.5 | 72.9 | 74.3 | 74.3 | 73.4 | 71.8 | 71.1 | 69.2 | | | | 133.0 | |
| DIAMETER RATIO | 5000 | 61.6 | 65.5 | 65.8 | 67.1 | 66.6 | 66.9 | 67.9 | 69.8 | 71.9 | 71.4 | 71.4 | 69.3 | 69.8 | 69.5 | | | | 131.0 | |
| DF/DH 8.00 | 6300 | 61.3 | 64.8 | 65.0 | 65.3 | 64.5 | 64.8 | 65.8 | 67.5 | 70.7 | 71.4 | 71.1 | 70.1 | 71.2 | 70.8 | | | | 131.5 | |
| OVERALL CALCULATED | 8000 | 61.5 | 65.2 | 65.1 | 65.3 | 64.8 | 64.1 | 63.8 | 67.4 | 71.9 | 72.8 | 73.1 | 71.8 | 73.2 | 73.5 | | | | 134.6 | |
| PNDP | 10000 | 61.6 | 64.0 | 62.8 | 64.6 | 65.1 | 64.9 | 64.5 | 67.4 | 72.3 | 74.6 | 74.9 | 73.9 | 75.4 | 76.1 | | | | 138.6 | |
| | | 96.8 | 97.4 | 98.4 | 97.5 | 98.3 | 99.4 | 101.3 | 103.0 | 105.0 | 108.1 | 109.5 | 114.5 | 115.2 | 115.6 | | | | 167.2 | |
| | | 100.8 | 102.6 | 103.2 | 103.3 | 104.3 | 105.1 | 106.6 | 108.3 | 110.5 | 112.7 | 112.9 | 114.7 | 114.5 | 115.1 | | | | 168.5 | |

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ORIGINAL PAGE IS
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QUALITY

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 |
| NO EGA | 50 | 61,3 | 61,1 | 70,3 | 65,7 | 67,4 | 68,2 | 71,1 | 72,0 | 74,8 | 78,6 | 77,7 | 84,4 | 83,6 | 80,3 | | |
| SIDELINE 2400' FT | 63 | 64,9 | 66,4 | 68,0 | 67,0 | 68,2 | 69,8 | 71,8 | 72,9 | 75,2 | 77,0 | 77,4 | 86,0 | 84,9 | 78,6 | | |
| (731,52 M) | 80 | 63,5 | 66,5 | 68,3 | 67,4 | 69,4 | 69,9 | 72,4 | 74,2 | 76,6 | 78,2 | 80,6 | 86,1 | 85,4 | 81,7 | | |
| NFA 0, RPM | 100 | 63,0 | 65,8 | 68,4 | 68,6 | 70,1 | 70,6 | 72,8 | 75,2 | 75,9 | 79,1 | 80,2 | 83,4 | 82,0 | 82,7 | | |
| (0, RAD/SEC) | 125 | 63,7 | 64,9 | 68,7 | 68,5 | 69,5 | 71,4 | 73,8 | 75,8 | 77,2 | 80,1 | 80,6 | 82,7 | 80,5 | 77,6 | | |
| NFK 0, RPM | 160 | 62,2 | 65,3 | 67,9 | 68,2 | 69,2 | 71,6 | 74,7 | 76,1 | 76,6 | 79,8 | 80,9 | 81,3 | 78,1 | 73,6 | | |
| (0, RAD/SEC) | 200 | 60,2 | 64,6 | 65,8 | 67,8 | 69,6 | 71,7 | 73,4 | 74,5 | 75,7 | 78,3 | 79,2 | 78,6 | 74,8 | 69,7 | | |
| NFD 0, RPM | 250 | 60,5 | 64,0 | 65,4 | 68,0 | 70,4 | 71,2 | 72,5 | 73,7 | 75,4 | 77,5 | 77,3 | 76,9 | 72,5 | 67,3 | | |
| (0, RAD/SEC) | 315 | 58,3 | 63,2 | 65,4 | 65,6 | 67,1 | 69,3 | 71,5 | 73,1 | 75,0 | 76,7 | 74,7 | 75,1 | 68,9 | 63,1 | | |
| AIRFLOW RATIO | 400 | 55,7 | 61,9 | 62,9 | 64,8 | 66,6 | 68,8 | 69,9 | 71,6 | 73,3 | 75,0 | 73,3 | 72,6 | 66,7 | 59,7 | | |
| WFZHM 8,00 | 500 | 53,7 | 59,2 | 61,7 | 63,4 | 65,3 | 67,7 | 68,2 | 70,6 | 72,0 | 73,5 | 70,8 | 69,3 | 62,9 | 55,9 | | |
| | 630 | 51,5 | 56,1 | 59,3 | 61,2 | 63,3 | 65,1 | 67,2 | 69,0 | 70,6 | 72,1 | 68,4 | 66,0 | 59,2 | 51,5 | | |
| | 800 | 48,9 | 54,7 | 57,6 | 59,9 | 61,7 | 63,5 | 65,4 | 67,0 | 68,8 | 69,5 | 65,4 | 62,3 | 54,8 | 46,4 | | |
| VEHICLE JENOYS | 1000 | 46,2 | 52,5 | 56,2 | 58,0 | 60,3 | 61,7 | 63,3 | 64,5 | 65,8 | 66,9 | 62,6 | 59,0 | 51,1 | 41,8 | | |
| CONFIG JE-054 | 1250 | 43,5 | 50,4 | 53,5 | 55,8 | 58,4 | 59,4 | 61,0 | 62,3 | 63,8 | 64,0 | 60,2 | 55,2 | 47,7 | 37,4 | | |
| LOC EVENDALE | 1600 | 39,1 | 47,1 | 50,4 | 53,3 | 55,4 | 56,6 | 58,6 | 59,5 | 60,8 | 60,6 | 55,9 | 50,8 | 43,3 | 32,9 | | |
| DATE 04-15-75 | 2000 | 33,7 | 42,5 | 46,8 | 49,3 | 52,8 | 53,6 | 55,2 | 56,7 | 57,2 | 56,8 | 52,0 | 46,9 | 38,0 | 25,9 | | |
| RUN DBTF=MODEL 7 | 2500 | 27,2 | 37,4 | 42,0 | 45,1 | 47,9 | 49,5 | 51,1 | 51,4 | 53,1 | 51,5 | 46,9 | 41,8 | 32,2 | 17,6 | | |
| TAPE X70500 | 3150 | 18,6 | 29,8 | 35,4 | 39,8 | 41,7 | 43,3 | 45,7 | 46,4 | 46,9 | 45,5 | 39,9 | 34,3 | 24,6 | 7,4 | | |
| FAN TIP SPEED | 4000 | 5,4 | 12,3 | 26,6 | 30,9 | 33,6 | 36,7 | 37,9 | 38,9 | 39,0 | 36,6 | 31,9 | 24,1 | 13,0 | | | |
| FT/SEC | 5000 | | 13,3 | 20,5 | 26,2 | 28,4 | 30,2 | 31,6 | 33,0 | 33,7 | 30,5 | 26,2 | 17,1 | 5,8 | | | |
| | 6300 | | | 9,0 | 15,0 | 17,7 | 19,9 | 21,5 | 22,6 | 23,9 | 21,1 | 15,1 | 4,8 | | | | |
| | 8000 | | | | 0,8 | 4,9 | 6,7 | 7,3 | 10,0 | 11,9 | 8,0 | 0,5 | | | | | |
| | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 72,2 | 75,0 | 77,8 | 77,8 | 79,4 | 80,9 | 83,0 | 84,6 | 86,2 | 88,6 | 88,9 | 92,6 | 91,1 | 87,9 | | |
| PNDB | | 71,1 | 75,9 | 78,7 | 80,2 | 82,4 | 83,9 | 85,7 | 87,2 | 88,8 | 90,3 | 89,8 | 90,5 | 87,6 | 84,5 | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | PW | | |
|--------------------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0,0) | (0,0) | (0,0) | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 85,2 | 83,7 | 80,8 | 85,4 | 86,4 | 86,5 | 88,8 | 90,6 | 93,3 | 94,8 | 97,3 | 105,0 | 108,0 | 105,6 | | | 157,7 | |
| | NØ EGA | 63 | 89,1 | 88,6 | 89,1 | 86,8 | 87,7 | 87,6 | 90,0 | 92,2 | 93,9 | 96,4 | 98,7 | 107,9 | 109,3 | 105,8 | | | 159,3 | |
| RDG. NO. | 0 | 80 | 88,6 | 88,9 | 89,4 | 87,7 | 88,4 | 88,2 | 91,1 | 92,4 | 95,2 | 96,9 | 100,9 | 107,8 | 110,4 | 108,8 | | | 160,3 | |
| RADIAL 320, FT, | 100 | | 87,7 | 88,9 | 90,8 | 88,8 | 89,8 | 88,8 | 91,8 | 95,1 | 95,5 | 99,4 | 101,2 | 105,3 | 106,7 | 109,0 | | | 158,9 | |
| (98, M) | 125 | | 88,6 | 87,9 | 89,5 | 88,6 | 88,8 | 89,9 | 92,9 | 94,3 | 96,1 | 99,8 | 101,0 | 104,4 | 104,1 | 103,7 | | | 157,2 | |
| VEHICLE JENOTS | 160 | | 87,0 | 88,7 | 88,9 | 88,3 | 89,5 | 90,2 | 93,4 | 94,9 | 95,9 | 99,1 | 101,6 | 103,7 | 101,4 | 100,4 | | | 156,4 | |
| CONFIG JEM054 | 200 | | 85,6 | 88,2 | 88,2 | 88,0 | 89,1 | 90,7 | 92,5 | 94,5 | 95,6 | 98,3 | 100,1 | 101,0 | 99,1 | 97,2 | | | 154,8 | |
| LOC EVENDALE | 250 | | 87,1 | 87,9 | 87,6 | 89,2 | 90,5 | 90,4 | 91,8 | 93,4 | 95,5 | 97,9 | 98,7 | 99,8 | 97,6 | 95,3 | | | 153,9 | |
| DATE 04-15-75 | 315 | | 85,1 | 87,6 | 88,0 | 87,3 | 87,2 | 89,2 | 91,2 | 93,0 | 94,8 | 96,4 | 96,3 | 98,2 | 95,5 | 92,3 | | | 152,4 | |
| RUN DBT-MODEL 7 | 400 | | 84,2 | 88,0 | 87,4 | 88,1 | 88,4 | 89,7 | 90,9 | 92,0 | 93,9 | 97,0 | 96,8 | 97,7 | 95,9 | 93,5 | | | 152,5 | |
| TAPE X70510 | 500 | | 88,6 | 92,9 | 90,9 | 92,0 | 93,8 | 95,5 | 93,0 | 93,9 | 97,2 | 100,6 | 101,7 | 103,5 | 104,2 | 99,2 | | | 157,5 | |
| BAR 29,9 HG | 630 | | 80,4 | 83,2 | 83,6 | 84,3 | 85,2 | 86,8 | 88,5 | 90,2 | 92,8 | 93,7 | 92,4 | 92,6 | 90,4 | 88,0 | | | 149,1 | |
| (01039, N/M2) | 800 | | 78,8 | 81,9 | 82,3 | 84,2 | 85,0 | 85,8 | 87,2 | 88,5 | 90,4 | 92,0 | 90,2 | 90,5 | 88,2 | 84,7 | | | 147,4 | |
| TAMB 59, DEG F | 1000 | | 78,0 | 81,8 | 82,3 | 83,0 | 84,6 | 84,9 | 86,3 | 88,0 | 89,3 | 90,4 | 89,0 | 90,3 | 88,9 | 85,2 | | | 146,7 | |
| (288, DEG K) | 1250 | | 76,6 | 80,3 | 80,8 | 82,1 | 83,0 | 83,5 | 84,6 | 86,4 | 88,0 | 89,0 | 86,7 | 87,1 | 85,3 | 82,4 | | | 144,9 | |
| TWET 53, DEG F | 1600 | | 74,8 | 79,1 | 79,7 | 80,7 | 81,6 | 81,8 | 83,6 | 84,7 | 86,7 | 87,5 | 85,9 | 85,6 | 83,3 | 82,2 | | | 143,8 | |
| (285, DEG K) | 2000 | | 72,7 | 77,2 | 78,2 | 78,8 | 80,9 | 80,2 | 82,1 | 83,3 | 84,6 | 85,3 | 84,2 | 83,7 | 82,0 | 79,6 | | | 142,2 | |
| HACT 8,91 GM/M3 | 2500 | | 70,3 | 75,1 | 76,1 | 76,6 | 78,1 | 78,1 | 79,9 | 81,2 | 83,3 | 83,1 | 82,3 | 81,8 | 80,3 | 78,1 | | | 140,6 | |
| (00891 KG/M3) | 3150 | | 68,2 | 73,6 | 74,4 | 75,2 | 76,2 | 76,5 | 77,9 | 79,4 | 80,9 | 81,0 | 80,2 | 79,8 | 78,7 | 78,6 | | | 139,1 | |
| FREQ. SHIFT | 4000 | | 65,1 | 70,7 | 71,2 | 72,7 | 72,7 | 74,3 | 75,1 | 76,5 | 77,4 | 78,6 | 78,0 | 77,4 | 76,4 | 77,3 | | | 137,2 | |
| JET 9 | 5000 | | 63,6 | 69,1 | 69,6 | 70,6 | 70,4 | 70,7 | 71,9 | 73,6 | 75,0 | 76,3 | 75,5 | 75,1 | 74,6 | 78,1 | | | 135,3 | |
| DIAMETER RATIO | 6300 | | 63,1 | 68,3 | 69,0 | 69,3 | 68,5 | 69,0 | 70,1 | 71,5 | 73,8 | 75,9 | 74,2 | 74,1 | 73,2 | 79,8 | | | 135,7 | |
| DP/DM 8,00 | 8000 | | 64,2 | 69,2 | 69,3 | 69,8 | 68,3 | 68,6 | 69,1 | 70,9 | 74,4 | 77,8 | 74,6 | 75,0 | 74,0 | 83,3 | | | 138,9 | |
| | 10000 | | 64,4 | 65,5 | 66,1 | 67,4 | 65,4 | 66,2 | 66,8 | 69,0 | 73,6 | 80,4 | 75,9 | 77,2 | 75,7 | 85,1 | | | 142,7 | |
| OVERALL CALCULATED | | | 97,9 | 99,6 | 100,2 | 99,5 | 100,6 | 101,4 | 102,8 | 104,5 | 106,3 | 109,1 | 110,5 | 114,8 | 116,0 | 114,6 | | | 167,8 | |
| RNDB | | | 103,4 | 106,8 | 106,5 | 107,0 | 108,2 | 109,1 | 109,4 | 110,8 | 113,1 | 115,8 | 115,9 | 117,7 | 117,6 | 116,2 | | | 169,1 | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50' DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|-----|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|---|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | 0 | 0 |
| REV | ALPHA 12/73 | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 |
| | | 50 | 61.3 | 62.1 | 70.8 | 66.5 | 68.2 | 68.7 | 71.2 | 72.8 | 75.1 | 77.9 | 77.2 | 83.4 | 84.1 | 78.3 | |
| | NO EGA | 63 | 65.1 | 66.9 | 69.0 | 67.8 | 69.5 | 69.8 | 72.3 | 74.4 | 75.7 | 77.5 | 78.6 | 86.2 | 85.4 | 78.4 | |
| | SIDELINE 2400' FT | 80 | 64.5 | 67.2 | 69.3 | 68.7 | 70.1 | 70.4 | 73.4 | 74.5 | 76.9 | 77.9 | 80.8 | 86.1 | 86.4 | 81.2 | |
| | (731.52 M) | 100 | 63.5 | 67.1 | 70.6 | 69.6 | 71.4 | 70.8 | 74.0 | 77.1 | 77.2 | 80.3 | 81.0 | 83.4 | 82.5 | 81.2 | |
| | NFA 0, RPM | 125 | 64.2 | 65.9 | 69.2 | 69.5 | 70.3 | 71.9 | 75.0 | 76.3 | 77.7 | 80.6 | 80.6 | 82.4 | 79.8 | 75.6 | |
| | (0, RAD/SEC) | 160 | 62.4 | 66.6 | 68.4 | 69.0 | 70.9 | 72.1 | 75.4 | 76.8 | 77.4 | 79.8 | 81.1 | 81.6 | 76.2 | 72.1 | |
| | NFK 0, RPM | 200 | 60.8 | 65.9 | 67.5 | 68.5 | 70.4 | 72.3 | 74.4 | 76.3 | 76.9 | 78.8 | 79.5 | 78.6 | 74.3 | 68.5 | |
| | (0, RAD/SEC) | 250 | 62.0 | 65.3 | 66.7 | 69.6 | 71.7 | 72.0 | 73.6 | 75.0 | 76.7 | 78.3 | 77.9 | 77.2 | 72.5 | 66.1 | |
| | NFD 0, RPM | 315 | 59.5 | 64.7 | 67.0 | 67.4 | 68.8 | 70.6 | 72.8 | 74.4 | 75.8 | 78.5 | 75.2 | 75.3 | 69.9 | 62.4 | |
| | (0, RAD/SEC) | 400 | 58.0 | 64.7 | 65.9 | 67.9 | 69.1 | 70.8 | 72.2 | 73.1 | 74.6 | 76.8 | 75.3 | 74.4 | 69.8 | 62.8 | |
| | AIRFLOW RATIO | 500 | 61.8 | 69.0 | 69.0 | 71.5 | 74.1 | 76.3 | 74.0 | 74.7 | 77.6 | 80.0 | 79.9 | 79.7 | 77.4 | 67.5 | |
| | WF/MM 8.00 | 630 | 52.8 | 58.7 | 61.2 | 63.3 | 65.1 | 67.2 | 69.1 | 70.6 | 72.7 | 72.7 | 70.0 | 68.1 | 62.8 | 55.1 | |
| | | 800 | 50.1 | 56.6 | 59.2 | 62.3 | 64.3 | 65.7 | 67.3 | 68.3 | 69.7 | 70.4 | 67.1 | 65.2 | 59.4 | 50.0 | |
| | VEHICLE JENOTS | 1000 | 47.9 | 55.5 | 58.4 | 60.7 | 63.2 | 64.1 | 65.7 | 67.2 | 68.0 | 68.1 | 65.0 | 63.2 | 58.8 | 48.3 | |
| | CONFIG JE-034 | 1250 | 44.8 | 52.6 | 55.8 | 58.8 | 60.9 | 61.9 | 63.2 | 64.8 | 65.8 | 65.7 | 61.7 | 59.4 | 53.5 | 43.2 | |
| | LOC EVENDALE | 1600 | 40.6 | 49.6 | 53.2 | 56.1 | 58.2 | 59.1 | 61.2 | 62.0 | 63.3 | 62.9 | 59.4 | 56.1 | 49.1 | 39.4 | |
| | DATE 04-15-75 | 2000 | 35.5 | 45.5 | 49.9 | 52.6 | 56.1 | 56.2 | 58.3 | 59.3 | 59.8 | 59.1 | 55.8 | 52.0 | 44.8 | 32.4 | |
| | RUN DBTF-MODEL 7 | 2500 | 29.0 | 40.2 | 45.1 | 48.1 | 51.2 | 52.0 | 54.2 | 55.2 | 56.4 | 54.6 | 51.3 | 46.9 | 39.0 | 24.7 | |
| | TAPE X70510 | 3150 | 20.1 | 33.6 | 39.2 | 43.1 | 46.0 | 47.3 | 49.0 | 50.2 | 50.6 | 48.8 | 44.9 | 39.8 | 30.6 | 15.1 | |
| | FAN TIP SPEED | 4000 | 7.0 | 22.9 | 29.7 | 35.0 | 37.4 | 40.3 | 41.5 | 42.5 | 42.1 | 40.2 | 36.5 | 29.7 | 18.3 | | |
| | FT/SEC | 5000 | | 16.9 | 24.4 | 29.7 | 32.2 | 34.0 | 35.7 | 36.8 | 36.7 | 35.4 | 30.2 | 22.9 | 10.6 | | |
| | | 6300 | | 3.0 | 13.0 | 19.0 | 21.7 | 24.1 | 25.8 | 26.6 | 27.0 | 25.6 | 18.1 | 8.8 | | | |
| | | 8000 | | | | 5.1 | 8.4 | 11.2 | 12.6 | 13.5 | 14.4 | 13.0 | 2.0 | | | | |
| | | 10000 | | | | | | | | | | | | | | | |
| | OVERALL CALCULATED | | 73.1 | 76.8 | 79.3 | 79.6 | 81.5 | 82.7 | 84.4 | 86.0 | 87.4 | 89.4 | 89.8 | 92.7 | 91.7 | 86.7 | |
| | PND8 | | 73.7 | 80.2 | 82.0 | 83.9 | 86.3 | 87.9 | 88.3 | 89.5 | 91.3 | 93.0 | 92.3 | 92.6 | 89.0 | 84.1 | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) |
| REV. ALPHA 12/73 | FREQ. | 50 | 95.4 | 92.5 | 94.1 | 95.2 | 96.9 | 97.0 | 99.3 | 106.6 | 103.1 | 107.8 | 110.3 | 115.8 | 119.5 | 115.1 | 118.3 | 121.1 | 118.3 | 115.1 | 168.7 |
| NO EGA | | 63 | 98.1 | 97.8 | 98.1 | 97.0 | 98.2 | 98.9 | 100.7 | 103.7 | 104.9 | 108.5 | 113.2 | 119.6 | 121.1 | 118.3 | 115.1 | 118.3 | 121.1 | 118.3 | 171.3 |
| REG. NO. 6. | 60 | 100.6 | 99.7 | 99.5 | 98.7 | 99.0 | 99.3 | 101.9 | 104.1 | 106.2 | 110.0 | 115.7 | 120.1 | 123.2 | 118.8 | 115.1 | 118.8 | 123.2 | 118.8 | 115.1 | 172.7 |
| RADIAL 32, FT. | 100 | 100.5 | 99.4 | 103.2 | 120.8 | 100.8 | 100.8 | 102.7 | 106.6 | 107.1 | 111.5 | 115.2 | 119.0 | 121.2 | 121.0 | 117.7 | 119.4 | 121.2 | 121.0 | 117.7 | 172.1 |
| (98. M) | 125 | 102.3 | 100.1 | 101.8 | 100.9 | 103.8 | 102.2 | 104.2 | 106.4 | 108.2 | 112.9 | 115.2 | 117.7 | 120.6 | 119.4 | 117.7 | 119.4 | 120.6 | 119.4 | 117.7 | 171.5 |
| VEHICLE JENOTS | 160 | 101.8 | 101.7 | 101.1 | 111.1 | 101.5 | 112.5 | 104.9 | 106.7 | 108.7 | 112.7 | 116.1 | 119.0 | 120.0 | 117.7 | 119.4 | 116.0 | 119.4 | 116.0 | 117.7 | 171.6 |
| CONFIG JER055 | 200 | 101.1 | 101.8 | 101.2 | 101.5 | 101.9 | 103.5 | 104.8 | 107.0 | 109.1 | 112.3 | 114.6 | 117.2 | 119.4 | 116.0 | 119.4 | 116.0 | 119.4 | 116.0 | 117.7 | 170.6 |
| LCC EVENDALE | 250 | 102.4 | 101.4 | 106.1 | 102.4 | 103.0 | 103.4 | 104.8 | 106.9 | 109.8 | 112.2 | 114.7 | 118.5 | 119.6 | 115.3 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 171.0 |
| DATE 4-21-75 | 315 | 101.8 | 101.1 | 101.3 | 100.5 | 101.1 | 103.0 | 104.2 | 107.4 | 110.1 | 112.6 | 114.8 | 118.7 | 117.7 | 113.8 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 170.6 |
| RLN CBTF-MODEL 7 | 400 | 102.9 | 102.2 | 101.6 | 101.5 | 101.9 | 103.1 | 104.3 | 106.9 | 110.1 | 112.2 | 115.0 | 118.7 | 116.9 | 112.2 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 170.4 |
| TAPE X70520 | 500 | 102.2 | 102.8 | 101.5 | 100.9 | 101.2 | 103.1 | 104.4 | 107.5 | 110.1 | 112.0 | 115.1 | 118.4 | 116.9 | 112.2 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 169.3 |
| BAB 29.9 HG | 630 | 101.6 | 104.8 | 104.7 | 102.9 | 101.8 | 102.9 | 104.3 | 107.8 | 110.6 | 112.3 | 115.5 | 118.2 | 113.1 | 108.7 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 169.3 |
| (01039, H/M2) | 800 | 99.6 | 102.2 | 103.1 | 105.2 | 105.3 | 103.6 | 104.0 | 106.7 | 109.7 | 111.0 | 114.0 | 114.6 | 112.5 | 107.0 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 168.5 |
| TAMB 59, DEG F | 1000 | 98.2 | 100.8 | 101.5 | 103.5 | 105.3 | 105.8 | 104.2 | 106.7 | 108.7 | 110.1 | 112.6 | 113.0 | 111.1 | 106.4 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 167.6 |
| (288, DEG K) | 1250 | 97.9 | 100.4 | 100.9 | 102.4 | 103.6 | 105.0 | 104.4 | 106.2 | 108.6 | 109.1 | 111.6 | 111.9 | 109.9 | 106.0 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 166.9 |
| THET 53, DEG F | 1600 | 96.9 | 99.4 | 100.3 | 102.0 | 102.4 | 103.1 | 104.7 | 105.3 | 106.7 | 108.1 | 110.5 | 110.9 | 109.4 | 104.5 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 166.0 |
| (285, DEG K) | 2000 | 95.0 | 98.3 | 98.5 | 100.6 | 101.8 | 102.0 | 103.9 | 105.4 | 106.2 | 107.3 | 109.2 | 109.8 | 108.0 | 103.1 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 165.3 |
| HACT 8.91 GM/M3 | 2500 | 93.2 | 97.0 | 97.2 | 98.8 | 100.0 | 100.7 | 101.6 | 103.6 | 105.3 | 105.5 | 107.7 | 106.2 | 106.5 | 102.0 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 164.0 |
| (00891 KG/H3) | 3150 | 91.8 | 95.5 | 96.3 | 98.6 | 98.1 | 99.1 | 100.5 | 102.0 | 103.5 | 103.8 | 105.8 | 104.7 | 105.3 | 100.3 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 162.9 |
| FREQ. SHIFT | 4000 | 88.8 | 92.4 | 94.2 | 95.7 | 95.7 | 97.8 | 98.6 | 100.0 | 101.2 | 101.9 | 104.3 | 104.4 | 103.9 | 98.3 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 161.7 |
| JET 9 | 5000 | 87.7 | 91.9 | 92.9 | 94.2 | 93.8 | 95.1 | 95.8 | 97.9 | 99.6 | 99.4 | 101.6 | 102.0 | 101.9 | 97.2 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 159.9 |
| DIAMETER RATIO | 6300 | 85.2 | 88.4 | 90.1 | 91.9 | 91.3 | 92.9 | 93.1 | 95.8 | 96.8 | 97.7 | 100.0 | 100.7 | 100.1 | 95.7 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 159.2 |
| BF/CM 8.00 | 8000 | 81.5 | 85.7 | 88.6 | 89.8 | 88.9 | 90.6 | 90.9 | 93.4 | 95.1 | 96.5 | 98.3 | 99.3 | 99.7 | 96.3 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 159.6 |
| OVERALL CALCULATED | 10000 | 79.3 | 82.2 | 86.2 | 87.5 | 87.5 | 88.8 | 88.7 | 92.1 | 92.5 | 95.5 | 98.1 | 99.6 | 98.6 | 96.8 | 119.6 | 115.3 | 119.6 | 115.3 | 115.3 | 161.4 |
| PND8 | 120.6 | 122.8 | 123.3 | 124.6 | 125.0 | 125.9 | 126.9 | 129.0 | 130.8 | 132.1 | 134.7 | 136.3 | 135.8 | 132.0 | | | | | | | 182.6 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | | |
|--------------------|--------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (0.0) | (0.0) |
| REV. ALPHA 12/73 | FREQ. | 50 | 71.6 | 76.9 | 74.0 | 76.2 | 78.7 | 79.2 | 81.7 | 82.8 | 84.9 | 88.9 | 90.2 | 94.2 | 95.6 | 87.8 | | |
| | NO EGA | 63 | 74.1 | 76.2 | 78.0 | 78.0 | 80.0 | 81.0 | 83.0 | 85.9 | 86.7 | 89.5 | 93.2 | 98.0 | 97.1 | 90.9 | | |
| SIDELINE 2400. FT. | | 80 | 76.5 | 76.0 | 79.3 | 79.7 | 80.7 | 81.4 | 84.1 | 86.3 | 87.9 | 90.9 | 95.6 | 98.3 | 99.1 | 91.2 | | |
| (731.52 M) | | 100 | 76.3 | 77.6 | 82.9 | 81.7 | 82.4 | 82.8 | 84.9 | 88.7 | 88.7 | 92.4 | 95.0 | 97.2 | 97.1 | 93.2 | | |
| NFA | 0. RPM | 125 | 78.0 | 78.2 | 81.5 | 81.7 | 82.3 | 84.2 | 86.3 | 88.3 | 89.7 | 93.7 | 94.9 | 95.7 | 96.3 | 91.4 | | |
| (| 0. RAD/SEC) | 160 | 77.2 | 79.6 | 80.7 | 81.8 | 82.9 | 84.3 | 87.0 | 88.6 | 90.1 | 93.3 | 95.7 | 96.9 | 95.4 | 89.4 | | |
| NFK | 0. RPM | 200 | 76.3 | 79.4 | 80.6 | 82.1 | 83.2 | 85.3 | 86.7 | 88.8 | 90.4 | 92.8 | 94.0 | 94.9 | 94.6 | 87.3 | | |
| (| 0. RAD/SEC) | 250 | 77.2 | 78.8 | 79.2 | 82.8 | 84.2 | 85.0 | 86.6 | 88.5 | 90.9 | 92.5 | 93.9 | 96.0 | 94.5 | 86.1 | | |
| NFD | 0. RPM | 315 | 76.3 | 78.2 | 80.2 | 80.6 | 82.1 | 84.4 | 85.8 | 88.8 | 91.0 | 92.7 | 93.7 | 95.8 | 92.1 | 83.9 | | |
| (| 0. RAD/SEC) | 400 | 76.7 | 78.9 | 80.1 | 81.3 | 82.6 | 84.3 | 85.6 | 88.1 | 90.8 | 92.0 | 93.5 | 95.4 | 90.8 | 81.9 | | |
| AIRFLOW RATIO | | 500 | 75.5 | 78.9 | 79.7 | 80.4 | 81.5 | 84.0 | 85.4 | 88.3 | 90.5 | 91.4 | 93.3 | 92.6 | 87.3 | 78.2 | | |
| hF/hM 8.00 | | 630 | 73.9 | 80.4 | 82.3 | 81.9 | 81.8 | 83.3 | 84.9 | 88.3 | 90.6 | 91.3 | 93.1 | 90.7 | 85.4 | 75.7 | | |
| | | 800 | 70.9 | 76.9 | 80.0 | 83.6 | 84.6 | 83.5 | 84.1 | 86.6 | 89.0 | 89.9 | 90.9 | 89.2 | 83.7 | 72.3 | | |
| VEHICLE | JENOTS | 1000 | 68.1 | 74.4 | 77.6 | 81.1 | 83.9 | 85.1 | 83.7 | 85.9 | 87.4 | 87.8 | 88.7 | 86.6 | 81.0 | 69.7 | | |
| CCNFIG | JE-055 | 1250 | 66.1 | 72.7 | 75.9 | 79.2 | 81.5 | 83.5 | 83.1 | 84.7 | 86.4 | 85.8 | 86.5 | 84.3 | 78.1 | 66.8 | | |
| LCC | EVENDALE | 1600 | 62.7 | 69.9 | 73.8 | 77.4 | 79.0 | 80.4 | 82.2 | 82.6 | 83.3 | 83.5 | 83.9 | 81.4 | 75.1 | 61.7 | | |
| DATE | 04-21-75 | 2000 | 57.9 | 66.6 | 70.2 | 74.4 | 77.0 | 78.0 | 80.1 | 81.3 | 81.4 | 81.1 | 80.9 | 78.1 | 70.9 | 56.0 | | |
| RUN | DBTF-MODEL 7 | 2500 | 51.9 | 62.1 | 66.2 | 70.3 | 73.1 | 74.7 | 75.8 | 77.6 | 78.3 | 77.0 | 76.7 | 73.3 | 65.2 | 48.6 | | |
| TAPE | X70520 | 3150 | 43.8 | 55.5 | 61.0 | 66.4 | 67.8 | 69.9 | 71.6 | 72.8 | 73.3 | 71.7 | 70.6 | 66.7 | 57.2 | 36.8 | | |
| FAN TIP SPEED | | 4000 | 30.7 | 44.7 | 52.7 | 58.0 | 61.4 | 63.8 | 65.0 | 66.0 | 65.9 | 64.2 | 62.7 | 56.7 | 45.8 | 19.8 | | |
| | FT/SEC | 5000 | 23.7 | 30.7 | 47.7 | 53.3 | 55.6 | 58.3 | 59.5 | 61.2 | 61.3 | 58.5 | 56.3 | 49.8 | 37.9 | 9.8 | | |
| | | 6300 | 4.0 | 23.1 | 34.1 | 41.6 | 44.5 | 48.0 | 48.9 | 50.9 | 50.0 | 47.4 | 44.0 | 35.4 | 18.9 | | | |
| | | 8000 | | 0.3 | 16.0 | 25.1 | 28.9 | 33.3 | 34.3 | 36.1 | 35.2 | 31.8 | 25.7 | 13.9 | | | | |
| | | 10000 | | | | 2.6 | 9.2 | 14.1 | 15.1 | 17.4 | 14.2 | 10.7 | 2.4 | | | | | |
| OVERALL CALCULATED | | | 87.1 | 89.7 | 91.9 | 93.1 | 94.4 | 95.7 | 97.1 | 99.5 | 101.3 | 103.3 | 105.2 | 106.9 | 106.0 | 99.5 | | |
| PND8 | | | 90.6 | 94.8 | 97.3 | 99.3 | 100.8 | 102.2 | 103.7 | 105.6 | 107.1 | 108.2 | 109.5 | 110.0 | 107.0 | 99.2 | | |

Comments

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL |
|--------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | |
| NO EGA | 50 | 88.9 | 87.7 | 93.3 | 89.7 | 90.9 | 90.7 | 93.6 | 95.1 | 97.6 | 101.8 | 102.8 | 110.8 | 112.7 | 110.1 | | | 162.7 |
| RDG. NO. 01 | 63 | 93.3 | 93.8 | 93.3 | 91.5 | 92.7 | 92.6 | 95.2 | 97.7 | 99.4 | 102.4 | 104.7 | 114.9 | 116.1 | 113.1 | | | 166.0 |
| RADIAL 320. FT. | 80 | 94.3 | 94.7 | 94.4 | 92.9 | 93.4 | 93.2 | 96.1 | 97.6 | 100.7 | 103.4 | 107.7 | 115.3 | 116.4 | 115.0 | | | 166.8 |
| (98. M) | 100 | 94.7 | 95.4 | 96.8 | 94.8 | 95.5 | 94.8 | 96.7 | 99.9 | 101.3 | 105.3 | 108.2 | 114.0 | 116.1 | 117.0 | | | 167.0 |
| VEHICLE JENOTS | 125 | 96.3 | 94.9 | 96.0 | 95.1 | 95.3 | 95.9 | 98.4 | 100.1 | 102.1 | 105.8 | 108.5 | 112.4 | 114.3 | 114.7 | | | 163.6 |
| CONFIG JE-054 | 160 | 94.2 | 94.9 | 95.1 | 94.8 | 95.5 | 95.4 | 98.7 | 100.2 | 102.2 | 105.9 | 108.3 | 112.5 | 112.4 | 111.7 | | | 164.7 |
| LOC EVENDALE | 200 | 92.8 | 94.7 | 93.7 | 94.3 | 94.8 | 95.5 | 98.0 | 99.7 | 102.1 | 105.0 | 106.6 | 109.7 | 110.4 | 108.7 | | | 162.8 |
| DATE 04-15-75 | 250 | 93.1 | 93.4 | 91.8 | 94.4 | 95.0 | 95.9 | 97.1 | 99.4 | 101.3 | 104.4 | 105.7 | 108.3 | 108.6 | 107.1 | | | 161.6 |
| RUN DBT-MODEL 7 | 315 | 90.8 | 92.6 | 92.5 | 92.5 | 93.1 | 94.2 | 96.2 | 98.7 | 100.8 | 103.6 | 103.5 | 106.5 | 106.0 | 104.8 | | | 160.0 |
| TAPE X70530 | 400 | 89.9 | 92.5 | 92.1 | 93.3 | 93.7 | 94.2 | 95.9 | 97.7 | 100.2 | 103.2 | 103.0 | 105.5 | 104.4 | 103.2 | | | 159.2 |
| BAR 29.9 HG | 500 | 88.1 | 90.9 | 90.6 | 91.7 | 92.8 | 93.5 | 95.5 | 97.4 | 99.7 | 102.1 | 101.5 | 103.0 | 102.0 | 100.9 | | | 157.7 |
| (01039. N/M2) | 630 | 86.7 | 90.2 | 89.6 | 90.8 | 91.7 | 93.3 | 94.7 | 97.7 | 100.0 | 102.2 | 100.7 | 102.1 | 100.9 | 100.3 | | | 157.4 |
| TAMB 59. DEG F | 800 | 86.3 | 89.6 | 89.3 | 90.4 | 91.2 | 92.8 | 94.5 | 96.0 | 98.1 | 100.5 | 99.2 | 100.8 | 100.4 | 99.7 | | | 156.2 |
| (288. DEG K) | 1000 | 85.5 | 88.6 | 88.6 | 90.3 | 91.3 | 91.6 | 93.5 | 95.7 | 97.0 | 99.7 | 98.5 | 100.0 | 99.7 | 99.9 | | | 155.6 |
| TWET 53. DEG F | 1250 | 85.6 | 89.0 | 88.5 | 89.8 | 90.8 | 90.7 | 91.8 | 94.9 | 96.5 | 98.2 | 97.7 | 98.6 | 99.3 | 99.6 | | | 154.8 |
| (285. DEGLK) | 1600 | 84.3 | 87.9 | 88.0 | 88.7 | 89.8 | 89.6 | 91.1 | 93.2 | 94.7 | 96.8 | 95.7 | 96.9 | 97.8 | 98.2 | | | 153.5 |
| HACT 8.91 GM/M3 | 2000 | 82.4 | 86.7 | 87.0 | 87.5 | 88.7 | 88.7 | 90.3 | 92.1 | 93.4 | 95.3 | 94.7 | 95.5 | 96.0 | 96.6 | | | 152.3 |
| (.00891 KG/M3) | 2500 | 81.6 | 86.1 | 85.8 | 86.9 | 87.1 | 86.6 | 88.4 | 90.2 | 92.1 | 93.1 | 92.8 | 93.8 | 94.3 | 94.6 | | | 150.9 |
| FREQ. SHIFT | 3150 | 79.9 | 85.6 | 85.6 | 86.5 | 86.0 | 86.0 | 86.6 | 88.7 | 89.4 | 91.0 | 89.9 | 91.3 | 92.7 | 93.1 | | | 149.5 |
| JET 9 | 4000 | 77.1 | 82.4 | 83.2 | 84.4 | 84.2 | 84.3 | 84.8 | 86.8 | 86.7 | 88.4 | 88.3 | 88.1 | 90.7 | 90.3 | | | 148.0 |
| DIAMETER RATIO | 5000 | 75.1 | 80.8 | 81.3 | 82.4 | 82.4 | 81.7 | 81.7 | 84.4 | 85.0 | 85.3 | 85.2 | 85.4 | 88.8 | 90.6 | | | 146.3 |
| DF/DH 8.00 | 6300 | 72.8 | 77.8 | 78.3 | 80.1 | 78.5 | 79.3 | 79.8 | 83.2 | 82.8 | 85.2 | 83.9 | 84.4 | 89.5 | 90.8 | | | 146.5 |
| OVERALL CALCULATED | 8000 | 72.2 | 75.2 | 75.6 | 77.0 | 76.6 | 76.6 | 77.3 | 83.6 | 82.9 | 85.8 | 84.1 | 84.3 | 91.7 | 92.8 | | | 149.1 |
| PNDP | 10000 | 73.2 | 74.3 | 73.1 | 75.6 | 75.4 | 75.2 | 76.0 | 86.2 | 83.4 | 88.6 | 85.2 | 86.7 | 93.9 | 94.6 | | | 153.6 |
| | | 103.9 | 105.0 | 105.2 | 105.0 | 105.7 | 106.0 | 108.2 | 110.2 | 112.3 | 115.3 | 116.9 | 122.3 | 123.4 | 122.6 | | | 174.2 |
| | | 109.6 | 112.9 | 113.0 | 113.6 | 113.9 | 114.1 | 115.6 | 117.9 | 119.5 | 121.7 | 122.0 | 125.0 | 126.5 | 126.2 | | | 176.2 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | 0, |
| | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0,0) | (0,0) | (0,0) | (0,0) |
| REV, ALPHA 12/73 | FREQ | 50 | 65,1 | 66,1 | 73,3 | 70,7 | 72,7 | 72,9 | 75,9 | 77,3 | 79,3 | 82,9 | 82,7 | 89,2 | 88,9 | 82,8 | | | |
| NO EGA | 63 | 69,4 | 72,2 | 73,2 | 72,5 | 74,5 | 74,8 | 77,5 | 79,9 | 81,2 | 83,5 | 84,6 | 93,2 | 92,1 | 85,6 | | | | |
| SIDELINE 2400, FT | 80 | 70,3 | 73,0 | 74,3 | 73,9 | 75,1 | 75,4 | 78,4 | 79,7 | 82,4 | 84,4 | 87,6 | 93,6 | 92,4 | 87,5 | | | | |
| (731,52 M) | 100 | 70,5 | 73,6 | 76,6 | 75,6 | 77,1 | 76,8 | 78,9 | 81,9 | 82,9 | 86,1 | 88,0 | 92,2 | 92,0 | 89,2 | | | | |
| NFA 0, RPM | 125 | 72,0 | 72,9 | 75,7 | 76,0 | 76,8 | 77,9 | 80,5 | 82,1 | 83,7 | 86,6 | 88,1 | 90,4 | 90,0 | 86,6 | | | | |
| (0, RAD/SEC) | 160 | 69,7 | 72,8 | 74,6 | 75,5 | 76,9 | 77,3 | 80,2 | 82,1 | 83,6 | 86,6 | 87,9 | 90,4 | 87,9 | 83,3 | | | | |
| NFK 0, RPM | 200 | 68,0 | 72,4 | 73,0 | 74,8 | 76,2 | 77,3 | 79,9 | 81,5 | 83,4 | 85,5 | 86,0 | 87,4 | 85,6 | 80,0 | | | | |
| (0, RAD/SEC) | 250 | 68,0 | 70,8 | 71,0 | 74,8 | 76,2 | 77,5 | 78,8 | 81,0 | 82,4 | 84,8 | 84,9 | 85,7 | 83,5 | 77,8 | | | | |
| NFD 0, RPM | 315 | 65,3 | 69,7 | 71,5 | 72,6 | 74,1 | 75,6 | 77,8 | 80,1 | 81,8 | 83,8 | 82,5 | 83,6 | 80,4 | 74,9 | | | | |
| (0, RAD/SEC) | 400 | 63,8 | 69,2 | 70,7 | 73,1 | 74,4 | 75,3 | 77,2 | 78,9 | 80,8 | 83,0 | 81,6 | 82,2 | 78,3 | 72,5 | | | | |
| AIRFLOW RATIO | 500 | 61,3 | 67,0 | 68,8 | 71,2 | 73,1 | 74,3 | 76,5 | 78,2 | 80,1 | 81,5 | 79,6 | 79,2 | 75,2 | 69,3 | | | | |
| WF/WM 8,00 | 630 | 59,1 | 65,7 | 67,2 | 69,8 | 71,6 | 73,7 | 75,3 | 78,1 | 79,9 | 81,2 | 78,3 | 77,6 | 73,3 | 67,3 | | | | |
| | 800 | 57,6 | 64,3 | 66,2 | 68,8 | 70,8 | 72,7 | 74,5 | 75,8 | 77,5 | 78,9 | 76,1 | 75,4 | 71,6 | 65,0 | | | | |
| VEHICLE JENOTS | 1000 | 55,4 | 62,2 | 64,6 | 67,9 | 70,0 | 70,9 | 73,0 | 75,0 | 75,7 | 77,3 | 74,5 | 73,7 | 69,6 | 63,3 | | | | |
| CONFIG JE-054 | 1250 | 53,8 | 61,4 | 63,5 | 66,6 | 68,6 | 69,2 | 70,5 | 73,3 | 74,3 | 75,0 | 72,7 | 70,9 | 67,5 | 60,4 | | | | |
| LOC EVENDALE | 1600 | 50,1 | 58,4 | 61,4 | 64,1 | 66,5 | 66,9 | 68,7 | 70,5 | 71,3 | 72,2 | 69,1 | 67,4 | 63,6 | 55,4 | | | | |
| DATE 04-15-75 | 2000 | 45,3 | 55,0 | 58,6 | 61,3 | 63,9 | 64,7 | 66,5 | 68,0 | 68,5 | 69,1 | 66,3 | 63,8 | 58,8 | 49,4 | | | | |
| RUN DBTF=MODEL 7 | 2500 | 40,3 | 51,2 | 54,8 | 58,4 | 60,2 | 60,9 | 62,7 | 64,2 | 65,2 | 64,6 | 61,8 | 58,9 | 53,0 | 41,2 | | | | |
| TAPE X70530 | 3150 | 31,9 | 45,6 | 50,4 | 54,3 | 55,7 | 56,8 | 57,7 | 59,4 | 59,1 | 58,8 | 54,7 | 51,3 | 44,6 | 29,6 | | | | |
| FAN TIP SPEED | 4000 | 19,0 | 34,7 | 41,7 | 46,7 | 48,9 | 50,3 | 51,3 | 52,8 | 51,4 | 50,7 | 46,7 | 40,4 | 32,6 | 11,8 | | | | |
| FT/SEC | 5000 | 11,1 | 28,7 | 36,1 | 41,5 | 44,2 | 45,0 | 45,4 | 47,6 | 46,7 | 44,4 | 40,0 | 33,2 | 24,8 | 3,2 | | | | |
| | 6300 | | 12,5 | 22,2 | 29,8 | 31,7 | 34,4 | 35,5 | 38,4 | 36,0 | 34,8 | 27,9 | 19,1 | 8,3 | | | | | |
| | 8000 | | | 3,0 | 12,3 | 16,6 | 19,2 | 20,8 | 26,3 | 22,9 | 21,0 | 11,5 | | | | | | | |
| | 10000 | | | | | | 0,5 | 2,4 | 11,5 | 5,1 | 3,8 | | | | | | | | |
| OVERALL CALCULATED | | 79,1 | 82,2 | 84,2 | 84,9 | 86,4 | 87,2 | 89,6 | 91,5 | 93,1 | 95,3 | 96,3 | 100,2 | 99,1 | 94,5 | | | | |
| PND8 | | 79,6 | 84,7 | 86,8 | 89,0 | 90,6 | 91,7 | 93,7 | 95,6 | 97,1 | 98,9 | 98,3 | 100,0 | 98,2 | 93,5 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY = JENDTS)

| | | PROC. DATE - MONTH 4 DAY 29 HR: 20:0 | | | | | | | | | | | | | | | | REL. HUM. DAY = JENDTS | | | | PWL | | | |
|-----|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------------------|--|--|--|-----|--|--|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | | | | | | | | |
| REV | ALPHA 12/73 | FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | | | | | | | | |
| | | 50 | 87.4 | 85.5 | 82.6 | 87.9 | 88.2 | 88.7 | 91.1 | 92.3 | 95.3 | 100.6 | 101.3 | 108.8 | 111.0 | 108.9 | | | | | | | | | |
| | NO EGA | 63 | 91.8 | 91.6 | 91.1 | 89.3 | 90.2 | 90.9 | 92.2 | 94.2 | 97.2 | 99.9 | 102.5 | 112.4 | 113.8 | 109.8 | | | | | | | | | |
| | RDG. NO. 01 | 80 | 91.6 | 92.9 | 91.7 | 90.7 | 91.4 | 91.0 | 93.6 | 94.9 | 97.9 | 100.9 | 106.7 | 113.1 | 114.1 | 113.3 | | | | | | | | | |
| | RADIAL 320, FT. | 100 | 92.2 | 92.2 | 93.4 | 92.9 | 92.8 | 92.5 | 94.8 | 96.6 | 98.5 | 103.4 | 105.7 | 111.3 | 112.0 | 115.5 | | | | | | | | | |
| | (98, M) | 125 | 93.3 | 92.4 | 93.8 | 92.6 | 92.8 | 94.2 | 95.7 | 97.3 | 99.9 | 103.6 | 106.7 | 111.2 | 112.3 | 112.2 | | | | | | | | | |
| | VEHICLE JENDTS | 160 | 92.7 | 92.4 | 92.9 | 92.8 | 93.0 | 93.7 | 96.7 | 98.2 | 99.2 | 103.6 | 106.8 | 111.2 | 111.4 | 110.2 | | | | | | | | | |
| | CONFIG JE-054 | 200 | 91.1 | 92.5 | 92.2 | 92.5 | 92.8 | 94.0 | 95.5 | 97.2 | 99.4 | 102.3 | 105.3 | 108.2 | 109.1 | 108.2 | | | | | | | | | |
| | LOC EVENDALE | 250 | 91.1 | 91.1 | 90.3 | 91.9 | 93.0 | 93.6 | 94.6 | 96.1 | 99.0 | 102.2 | 104.4 | 106.3 | 106.6 | 105.6 | | | | | | | | | |
| | DATE 04-15-75 | 315 | 89.1 | 90.8 | 90.5 | 89.3 | 90.6 | 92.2 | 93.5 | 96.0 | 98.1 | 101.6 | 101.3 | 105.0 | 104.2 | 102.5 | | | | | | | | | |
| | RUN DBT-MODEL 7 | 400 | 87.7 | 89.5 | 89.6 | 90.1 | 91.2 | 91.7 | 93.1 | 95.0 | 97.4 | 101.2 | 101.0 | 103.2 | 102.4 | 100.5 | | | | | | | | | |
| | TAPE XZ0540 | 500 | 85.1 | 87.1 | 87.9 | 88.2 | 89.8 | 90.5 | 92.0 | 94.4 | 96.7 | 99.8 | 99.2 | 100.5 | 99.0 | 97.2 | | | | | | | | | |
| | BAR 29.9 HG | 630 | 83.9 | 85.7 | 85.8 | 86.8 | 88.2 | 89.3 | 91.2 | 93.2 | 96.3 | 98.9 | 97.7 | 98.6 | 96.7 | 93.5 | | | | | | | | | |
| | (01039, N/M2) | 800 | 82.8 | 84.6 | 85.3 | 86.2 | 88.0 | 88.8 | 90.0 | 92.0 | 94.6 | 96.8 | 95.4 | 95.8 | 93.7 | 89.7 | | | | | | | | | |
| | YAMB 59, DEG F | 1000 | 81.5 | 84.1 | 84.1 | 85.5 | 86.8 | 87.9 | 89.0 | 91.0 | 93.5 | 95.2 | 93.5 | 93.3 | 90.4 | 86.4 | | | | | | | | | |
| | (288, DEG K) | 1250 | 80.1 | 82.3 | 83.5 | 84.8 | 85.8 | 86.5 | 87.6 | 89.6 | 91.7 | 93.0 | 91.2 | 90.3 | 87.3 | 83.4 | | | | | | | | | |
| | THET 53, DEG F | 1600 | 78.3 | 81.6 | 81.7 | 83.4 | 84.6 | 84.6 | 86.6 | 88.7 | 90.2 | 91.3 | 88.9 | 87.6 | 84.6 | 82.2 | | | | | | | | | |
| | (285, DEGLK) | 2000 | 76.2 | 79.5 | 80.0 | 80.8 | 82.2 | 83.2 | 84.8 | 86.6 | 88.1 | 89.0 | 86.7 | 85.2 | 82.2 | 79.8 | | | | | | | | | |
| | HACT 8.91 GM/M3 | 2500 | 74.1 | 77.6 | 77.3 | 79.1 | 80.4 | 80.8 | 82.7 | 84.0 | 85.8 | 86.6 | 84.8 | 83.0 | 80.1 | 77.6 | | | | | | | | | |
| | (.00891 KG/M3) | 3150 | 71.4 | 75.4 | 75.9 | 77.2 | 78.2 | 78.2 | 80.1 | 82.2 | 83.4 | 84.2 | 81.7 | 81.3 | 79.9 | 78.1 | | | | | | | | | |
| | FREQ. SHIFT | 4000 | 68.3 | 71.9 | 72.2 | 73.9 | 74.2 | 75.8 | 77.1 | 78.8 | 79.7 | 81.4 | 78.8 | 79.6 | 78.7 | 76.8 | | | | | | | | | |
| | JET 9 | 5000 | 66.1 | 69.8 | 70.1 | 71.4 | 71.2 | 72.0 | 73.4 | 75.4 | 77.0 | 78.5 | 75.5 | 78.2 | 78.1 | 77.6 | | | | | | | | | |
| | DIAMETER RATIO | 6300 | 64.3 | 67.0 | 67.0 | 68.6 | 68.2 | 68.0 | 70.1 | 74.2 | 74.0 | 73.9 | 73.9 | 80.9 | 80.5 | 80.3 | | | | | | | | | |
| | DE/DH 8.00 | 8000 | 64.0 | 65.4 | 64.8 | 66.8 | 66.3 | 66.1 | 66.8 | 74.9 | 73.1 | 73.0 | 74.1 | 83.5 | 82.7 | 83.0 | | | | | | | | | |
| | | 10000 | 64.4 | 63.5 | 62.8 | 65.6 | 65.6 | 65.5 | 65.8 | 77.0 | 73.6 | 74.9 | 75.9 | 85.9 | 84.7 | 85.1 | | | | | | | | | |
| | OVERALL CALCULATED | | 101.6 | 102.0 | 102.6 | 102.1 | 102.8 | 103.5 | 103.3 | 107.1 | 109.4 | 112.9 | 115.1 | 120.1 | 121.1 | 120.6 | | | | | | | | | |
| | PND8 | | 102.9 | 107.2 | 107.5 | 107.9 | 108.9 | 109.5 | 111.1 | 113.2 | 115.2 | 118.0 | 118.6 | 121.9 | 121.7 | 121.5 | | | | | | | | | |

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | 0, |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) |
| NO. EGA | 50 | 63.6 | 63.9 | 72.5 | 69.0 | 69.9 | 70.9 | 73.4 | 74.5 | 77.1 | 81.6 | 81.2 | 87.2 | 87.1 | 81.6 | | | | |
| SIDELINE 2400' FT. | 63 | 67.9 | 69.9 | 71.0 | 70.3 | 72.0 | 73.0 | 74.5 | 76.4 | 78.9 | 81.0 | 82.4 | 90.7 | 89.9 | 82.4 | | | | |
| (731.52 M) | 80 | 67.5 | 71.2 | 71.6 | 71.7 | 73.1 | 73.1 | 75.9 | 77.0 | 79.6 | 81.9 | 86.6 | 91.3 | 90.1 | 85.7 | | | | |
| NFA 0, RPM | 100 | 68.0 | 70.3 | 73.2 | 73.8 | 74.4 | 74.6 | 77.0 | 78.7 | 80.2 | 84.3 | 85.5 | 89.4 | 87.8 | 87.7 | | | | |
| (0, RAD/SEC) | 125 | 69.0 | 70.4 | 73.4 | 73.5 | 74.3 | 76.2 | 77.8 | 79.3 | 81.4 | 84.4 | 86.4 | 89.2 | 88.0 | 84.1 | | | | |
| NFK 0, RPM | 160 | 68.2 | 70.3 | 72.4 | 73.5 | 74.4 | 75.6 | 78.7 | 80.1 | 80.6 | 84.3 | 86.4 | 89.1 | 86.9 | 81.8 | | | | |
| (0, RAD/SEC) | 200 | 66.3 | 70.2 | 71.5 | 73.0 | 74.2 | 75.8 | 77.4 | 79.0 | 80.7 | 82.8 | 84.7 | 85.9 | 84.3 | 79.5 | | | | |
| NPD 0, RPM | 250 | 66.0 | 68.5 | 69.5 | 72.3 | 74.2 | 75.2 | 76.3 | 77.7 | 80.2 | 82.5 | 83.6 | 83.7 | 81.5 | 76.3 | | | | |
| (0, RAD/SEC) | 315 | 63.5 | 68.0 | 69.5 | 69.4 | 71.6 | 73.6 | 75.0 | 77.4 | 79.0 | 81.8 | 80.2 | 82.1 | 78.6 | 72.7 | | | | |
| AIRFLOW RATIO | 400 | 61.5 | 66.2 | 68.2 | 69.9 | 71.9 | 72.8 | 74.4 | 76.1 | 78.1 | 81.0 | 79.6 | 79.9 | 76.3 | 69.8 | | | | |
| WE/WB 8.00 | 500 | 58.3 | 63.3 | 66.0 | 67.7 | 70.1 | 71.3 | 73.0 | 75.2 | 77.1 | 79.3 | 77.4 | 76.7 | 72.2 | 65.5 | | | | |
| | 630 | 56.3 | 61.2 | 63.4 | 65.8 | 68.1 | 69.7 | 71.8 | 73.6 | 76.2 | 77.9 | 75.3 | 74.1 | 69.1 | 60.6 | | | | |
| VEHICLE JENOTS | 800 | 54.1 | 59.3 | 62.2 | 64.6 | 67.3 | 68.7 | 70.0 | 71.8 | 74.0 | 75.1 | 72.3 | 70.4 | 64.9 | 55.0 | | | | |
| CONFIG JEM054 | 1000 | 51.4 | 57.7 | 60.1 | 63.2 | 65.5 | 67.1 | 68.5 | 70.2 | 72.2 | 72.8 | 69.5 | 66.9 | 60.3 | 49.8 | | | | |
| LOC EVENDALE | 1250 | 48.3 | 54.9 | 58.5 | 61.6 | 63.6 | 64.9 | 66.2 | 68.1 | 69.5 | 69.7 | 66.2 | 62.7 | 55.5 | 44.2 | | | | |
| DATE 04-15-75 | 1600 | 44.1 | 52.1 | 55.2 | 58.8 | 61.2 | 61.9 | 64.2 | 66.0 | 66.8 | 66.2 | 62.4 | 58.1 | 50.3 | 39.4 | | | | |
| RUN DBTF-MODEL 7 | 2000 | 39.0 | 47.8 | 51.6 | 54.6 | 58.1 | 59.2 | 61.0 | 62.5 | 63.3 | 62.8 | 58.3 | 53.5 | 45.1 | 32.7 | | | | |
| TAPE X70540 | 2500 | 32.8 | 42.7 | 46.3 | 50.6 | 53.5 | 54.8 | 56.9 | 57.9 | 58.9 | 58.1 | 53.8 | 48.1 | 38.7 | 24.2 | | | | |
| FAN TIP SPEED | 3150 | 23.4 | 35.3 | 40.7 | 45.1 | 48.0 | 49.0 | 51.2 | 52.9 | 53.1 | 52.0 | 46.4 | 41.3 | 31.9 | 14.6 | | | | |
| FT/SEC | 4000 | 19.2 | 24.2 | 30.7 | 36.2 | 38.9 | 41.8 | 43.5 | 44.8 | 44.4 | 43.7 | 37.2 | 31.9 | 20.6 | | | | | |
| | 5000 | 2.1 | 17.7 | 24.9 | 30.5 | 33.0 | 35.2 | 37.2 | 38.6 | 38.7 | 35.6 | 30.2 | 26.7 | 14.1 | | | | | |
| | 6300 | | 1.7 | 11.0 | 18.3 | 21.4 | 23.1 | 25.8 | 29.4 | 27.2 | 23.6 | 17.9 | 15.6 | | | | | | |
| | 8000 | | | | 2.1 | 6.4 | 8.7 | 10.3 | 17.5 | 13.2 | 8.3 | 1.5 | | | | | | | |
| | 10000 | | | | | | | | 2.2 | | | | | | | | | | |
| OVERALL CALCULATED | | 76.8 | 79.6 | 81.9 | 82.4 | 83.8 | 85.0 | 86.9 | 88.5 | 90.4 | 93.2 | 94.5 | 98.2 | 96.8 | 92.7 | | | | |
| PND8 | | 76.7 | 81.0 | 83.3 | 85.2 | 87.2 | 88.4 | 90.2 | 91.9 | 93.7 | 95.9 | 95.8 | 97.8 | 94.8 | 90.7 | | | | |

--- PAGE 1 --- FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0, PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 0 | 0 | 0 |
| REV. ALPHA 12/73 | FREQ. | (3.52) | (3.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (0) | (0) | (0) |
| NO EGA | 50 | 94.9 | 92.7 | 94.1 | 95.2 | 96.9 | 97.0 | 99.3 | 100.8 | 103.6 | 108.3 | 111.0 | 116.3 | 119.5 | 114.9 | | | | | |
| REG. NO. 6. | 63 | 98.6 | 98.1 | 98.8 | 97.5 | 98.5 | 99.1 | 101.0 | 104.0 | 105.9 | 108.2 | 113.0 | 119.6 | 121.3 | 118.1 | | | | | |
| RADIAL 320 FT. | 80 | 99.8 | 100.7 | 100.0 | 99.0 | 99.2 | 99.5 | 101.9 | 103.9 | 106.9 | 110.2 | 117.2 | 121.8 | 123.4 | 119.1 | | | | | |
| (98.4) | 125 | 103.8 | 100.4 | 102.8 | 101.4 | 101.0 | 102.7 | 104.2 | 106.9 | 108.7 | 113.1 | 117.5 | 121.2 | 122.1 | 119.4 | | | | | |
| VEHICLE JENOTS | 160 | 103.8 | 102.7 | 102.4 | 102.6 | 103.0 | 103.2 | 105.7 | 107.5 | 109.5 | 113.4 | 117.6 | 122.3 | 121.7 | 117.5 | | | | | |
| CCNFIS JENOTS | 200 | 101.6 | 102.0 | 101.7 | 102.3 | 102.6 | 103.8 | 105.3 | 107.3 | 109.4 | 112.8 | 116.4 | 120.0 | 120.2 | 116.0 | | | | | |
| LCC EVENDALE | 250 | 102.6 | 101.6 | 100.6 | 102.9 | 103.0 | 104.4 | 105.1 | 107.1 | 110.0 | 112.9 | 115.7 | 120.3 | 119.6 | 114.8 | | | | | |
| DATE 04-21-75 | 315 | 102.3 | 101.8 | 101.3 | 100.7 | 101.4 | 103.0 | 104.2 | 107.4 | 110.1 | 112.1 | 115.0 | 119.5 | 117.7 | 112.8 | | | | | |
| RUN DBTF-MODEL 7 | 400 | 101.9 | 101.9 | 101.3 | 101.5 | 101.6 | 102.9 | 104.1 | 107.2 | 109.4 | 111.9 | 115.0 | 118.7 | 116.4 | 111.7 | | | | | |
| TAPE X70550 | 500 | 99.5 | 100.5 | 100.3 | 100.4 | 101.2 | 102.6 | 104.2 | 107.0 | 109.9 | 111.7 | 114.6 | 116.9 | 114.1 | 109.6 | | | | | |
| BAR 29.9 HG | 630 | 99.3 | 101.3 | 100.4 | 100.7 | 101.8 | 102.4 | 104.3 | 107.3 | 110.4 | 111.6 | 114.5 | 116.2 | 113.1 | 108.4 | | | | | |
| (01039. N/42) | 800 | 98.9 | 100.7 | 100.6 | 102.0 | 102.5 | 102.8 | 103.5 | 106.5 | 108.9 | 110.8 | 113.5 | 114.6 | 112.2 | 107.2 | | | | | |
| TAMB 59. DEG F | 1000 | 98.2 | 99.8 | 100.8 | 101.2 | 102.0 | 103.1 | 103.3 | 106.2 | 107.7 | 110.1 | 112.4 | 113.5 | 111.1 | 106.6 | | | | | |
| (288. DEG K) | 1250 | 97.9 | 100.6 | 100.9 | 101.7 | 102.4 | 103.3 | 103.4 | 105.7 | 107.6 | 109.1 | 111.3 | 111.9 | 109.9 | 105.7 | | | | | |
| THET 53. DEG F | 1600 | 96.1 | 98.7 | 100.5 | 102.0 | 102.1 | 101.9 | 103.2 | 105.3 | 106.2 | 107.6 | 110.2 | 110.9 | 109.1 | 104.3 | | | | | |
| (265. DEG K) | 2000 | 94.5 | 97.5 | 98.8 | 100.4 | 101.8 | 101.5 | 101.9 | 104.4 | 105.4 | 106.6 | 109.0 | 110.1 | 107.8 | 102.6 | | | | | |
| HACT 8.91 GM/M3 | 2500 | 92.5 | 95.8 | 97.0 | 99.0 | 99.8 | 100.0 | 100.6 | 102.4 | 104.5 | 104.8 | 108.0 | 107.9 | 106.5 | 101.5 | | | | | |
| (.00891 KG/M3) | 3150 | 91.3 | 94.8 | 96.3 | 97.6 | 98.1 | 98.4 | 99.5 | 101.0 | 103.0 | 103.6 | 105.3 | 106.9 | 105.5 | 99.8 | | | | | |
| FREQ. SHIFT | 4000 | 89.1 | 92.4 | 93.7 | 95.2 | 95.2 | 97.3 | 97.6 | 99.8 | 100.4 | 101.4 | 104.0 | 105.1 | 103.9 | 97.3 | | | | | |
| JET 9 | 5000 | 87.2 | 91.2 | 92.4 | 94.0 | 93.5 | 94.3 | 95.3 | 97.2 | 98.8 | 98.9 | 101.1 | 103.0 | 102.7 | 97.2 | | | | | |
| DIAMETER RATIO | 6300 | 84.9 | 87.9 | 90.1 | 91.7 | 90.6 | 92.1 | 93.4 | 94.3 | 95.8 | 97.0 | 99.7 | 101.2 | 101.3 | 95.7 | | | | | |
| DF/DN 8.00 | 8000 | 82.0 | 85.4 | 87.6 | 89.6 | 88.6 | 89.6 | 90.4 | 92.7 | 93.9 | 95.8 | 98.1 | 99.5 | 100.2 | 96.1 | | | | | |
| OVERALL CALCULATED | 10000 | 78.6 | 81.2 | 85.2 | 87.2 | 86.8 | 88.3 | 88.2 | 91.4 | 91.0 | 94.8 | 98.1 | 99.8 | 100.3 | 97.0 | | | | | |
| PNDP | | 112.9 | 113.1 | 113.6 | 113.8 | 114.2 | 115.0 | 116.3 | 118.8 | 121.0 | 123.6 | 127.3 | 131.0 | 131.3 | 127.8 | | | | | |
| | | 120.2 | 122.1 | 123.1 | 124.2 | 124.6 | 125.2 | 126.2 | 128.4 | 130.3 | 131.8 | 134.9 | 137.0 | 136.1 | 132.0 | | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) |
| NO EGA | 50 | 71.1 | 71.1 | 74.0 | 76.2 | 78.7 | 79.2 | 81.7 | 83.0 | 85.4 | 89.4 | 91.0 | 94.7 | 95.6 | 87.6 | | | | |
| SIDELINE 2400 FT. | 63 | 74.6 | 76.4 | 78.8 | 78.5 | 80.2 | 81.3 | 83.3 | 86.1 | 87.7 | 89.2 | 92.9 | 98.0 | 97.4 | 90.6 | | | | |
| (731.52 M) | 81 | 75.8 | 79.0 | 79.8 | 79.9 | 80.9 | 81.6 | 84.1 | 86.0 | 88.6 | 91.2 | 97.1 | 100.1 | 99.4 | 91.5 | | | | |
| NFA 0. RPM | 100 | 76.8 | 78.8 | 84.2 | 81.4 | 83.2 | 83.1 | 85.1 | 88.7 | 89.4 | 92.9 | 96.8 | 98.7 | 98.3 | 93.7 | | | | |
| (0. RAD/SEC) | 125 | 79.5 | 78.4 | 82.5 | 82.2 | 82.6 | 84.7 | 86.3 | 88.8 | 90.2 | 93.9 | 97.2 | 99.2 | 97.8 | 91.4 | | | | |
| NFK 0. RPM | 180 | 79.2 | 83.6 | 81.9 | 83.3 | 84.4 | 85.1 | 87.7 | 89.3 | 90.9 | 94.1 | 97.2 | 100.1 | 97.1 | 89.1 | | | | |
| (0. RAD/SEC) | 200 | 76.8 | 79.7 | 81.1 | 82.8 | 83.9 | 85.5 | 87.2 | 89.0 | 90.7 | 93.3 | 95.7 | 97.7 | 95.3 | 87.3 | | | | |
| NFD 0. RPM | 250 | 77.5 | 79.0 | 79.7 | 83.3 | 84.2 | 86.0 | 86.8 | 88.7 | 91.2 | 93.3 | 94.9 | 97.7 | 94.5 | 85.6 | | | | |
| (0. RAD/SEC) | 315 | 76.8 | 78.9 | 80.2 | 80.9 | 82.3 | 84.4 | 85.8 | 88.8 | 91.0 | 92.2 | 93.9 | 96.6 | 92.1 | 82.9 | | | | |
| AIRFLOW RATIO | 400 | 75.7 | 78.6 | 79.9 | 81.3 | 82.3 | 84.0 | 85.4 | 88.3 | 90.0 | 91.7 | 93.5 | 95.4 | 90.3 | 81.0 | | | | |
| WF/WM 8.03 | 500 | 72.7 | 76.7 | 78.4 | 79.9 | 81.5 | 83.5 | 85.2 | 87.8 | 90.3 | 91.2 | 92.8 | 93.1 | 87.3 | 77.9 | | | | |
| | 600 | 71.7 | 76.9 | 78.0 | 79.7 | 80.8 | 82.8 | 84.9 | 87.8 | 90.3 | 91.6 | 92.1 | 91.7 | 85.4 | 75.5 | | | | |
| VEHICLE JENOTS | 800 | 70.1 | 75.4 | 77.5 | 80.4 | 81.8 | 82.7 | 83.6 | 86.4 | 88.3 | 89.2 | 90.4 | 89.2 | 83.4 | 72.6 | | | | |
| CCNF10 JE=055 | 1000 | 68.1 | 73.4 | 76.8 | 78.9 | 80.7 | 82.3 | 82.9 | 85.4 | 86.4 | 87.8 | 88.4 | 87.1 | 81.0 | 70.0 | | | | |
| LCC EVELDALE | 1250 | 66.1 | 73.0 | 75.9 | 78.4 | 80.2 | 80.8 | 82.1 | 84.2 | 85.4 | 85.8 | 86.3 | 84.3 | 78.1 | 66.5 | | | | |
| DATE J4-21-75 | 1600 | 61.9 | 69.2 | 74.0 | 77.4 | 78.8 | 79.2 | 80.7 | 82.6 | 82.8 | 83.0 | 83.7 | 81.4 | 74.9 | 61.5 | | | | |
| RUN DBTF-MODEL 7 | 2000 | 57.4 | 65.8 | 70.4 | 74.2 | 77.0 | 77.5 | 78.1 | 80.3 | 80.6 | 80.4 | 80.6 | 78.4 | 70.7 | 55.5 | | | | |
| TARE X70550 | 2500 | 51.2 | 61.9 | 66.0 | 70.5 | 72.9 | 74.0 | 74.8 | 76.3 | 77.6 | 76.3 | 77.5 | 73.0 | 65.2 | 48.1 | | | | |
| FAN TIP SPEED | 3150 | 43.3 | 54.7 | 61.0 | 65.4 | 67.8 | 69.1 | 70.6 | 71.8 | 72.8 | 71.4 | 70.1 | 66.9 | 57.5 | 36.8 | | | | |
| FT/SEC | 4000 | 31.0 | 44.7 | 52.2 | 57.5 | 59.9 | 63.3 | 64.0 | 65.8 | 65.1 | 63.7 | 62.5 | 57.4 | 45.8 | 18.8 | | | | |
| | 5000 | 23.2 | 39.0 | 47.2 | 53.1 | 55.3 | 57.6 | 59.0 | 60.4 | 60.6 | 58.0 | 55.8 | 50.8 | 38.7 | 9.8 | | | | |
| | 6300 | 3.7 | 22.6 | 34.1 | 41.4 | 43.8 | 47.2 | 49.1 | 49.4 | 49.0 | 46.7 | 43.7 | 35.9 | 20.1 | | | | | |
| | 8000 | | 0.1 | 15.0 | 24.8 | 28.7 | 32.3 | 33.8 | 35.3 | 33.9 | 31.0 | 25.5 | 14.2 | | | | | | |
| | 10000 | | | | 2.4 | 8.5 | 13.6 | 14.6 | 16.6 | 12.7 | 9.9 | 2.4 | | | | | | | |
| OVERALL CALCULATED | | 87.4 | 89.6 | 91.9 | 92.9 | 94.2 | 95.5 | 97.1 | 99.5 | 101.3 | 103.4 | 106.1 | 108.5 | 108.6 | 99.6 | | | | |
| PND8 | | 90.1 | 93.9 | 96.4 | 98.9 | 100.5 | 101.6 | 103.0 | 105.2 | 106.8 | 108.1 | 109.8 | 110.9 | 107.2 | 99.2 | | | | |

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RAD) (ANS) | | | | | | | | | | | | | | | | PHL |
|--------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | |
| NO EGA | 50 | 91.2 | 90.0 | 97.8 | 91.9 | 93.2 | 93.0 | 96.1 | 97.6 | 100.6 | 105.3 | 106.8 | 113.5 | 116.5 | 112.9 | | | 166.0 |
| RDG. NO. 01 | 63 | 95.6 | 95.8 | 96.6 | 94.5 | 95.0 | 95.4 | 97.5 | 100.0 | 101.9 | 105.2 | 109.0 | 117.4 | 118.3 | 116.1 | | | 168.6 |
| RADIAL 320, FT. | 80 | 96.3 | 97.7 | 96.7 | 95.7 | 96.2 | 95.2 | 98.6 | 100.4 | 103.2 | 107.2 | 112.9 | 119.1 | 120.1 | 117.3 | | | 170.5 |
| (98, M) | 100 | 98.4 | 98.2 | 98.6 | 97.5 | 98.5 | 97.5 | 99.7 | 102.9 | 104.3 | 109.0 | 112.5 | 118.0 | 118.7 | 119.0 | | | 170.0 |
| VEHICLE JENOTS | 125 | 99.6 | 97.9 | 99.8 | 97.9 | 98.8 | 99.4 | 101.2 | 103.1 | 105.6 | 110.3 | 114.2 | 118.4 | 118.8 | 116.9 | | | 170.2 |
| CONFIO JET-054 | 160 | 100.0 | 99.2 | 99.4 | 99.0 | 99.0 | 99.2 | 102.4 | 103.9 | 105.2 | 109.9 | 114.1 | 119.0 | 117.9 | 115.2 | | | 170.0 |
| LOC EVENDALE | 200 | 97.8 | 98.7 | 98.4 | 98.3 | 98.8 | 100.0 | 101.5 | 103.2 | 105.6 | 109.0 | 112.1 | 116.2 | 116.1 | 113.0 | | | 168.1 |
| DATE 04-15-75 | 250 | 97.4 | 97.6 | 96.3 | 98.7 | 99.0 | 99.4 | 101.1 | 102.6 | 105.0 | 108.4 | 110.9 | 115.0 | 114.9 | 111.6 | | | 167.0 |
| RUN DBTF-MODEL 7 | 315 | 96.1 | 96.8 | 96.8 | 96.8 | 96.9 | 98.0 | 100.0 | 101.7 | 104.6 | 108.4 | 108.8 | 113.5 | 112.7 | 109.8 | | | 165.5 |
| TAPE X70560 | 400 | 94.4 | 96.7 | 96.4 | 96.6 | 97.4 | 97.9 | 99.4 | 101.5 | 104.2 | 107.5 | 107.8 | 111.7 | 111.2 | 108.5 | | | 164.4 |
| BAR 29.9 HG | 500 | 92.6 | 94.4 | 94.4 | 95.0 | 96.1 | 98.0 | 98.8 | 101.1 | 104.0 | 106.3 | 106.0 | 109.2 | 109.0 | 106.7 | | | 162.7 |
| (01039, N/42) | 630 | 91.7 | 94.2 | 93.8 | 94.5 | 95.5 | 97.0 | 99.0 | 101.0 | 103.5 | 105.9 | 105.9 | 108.6 | 108.2 | 105.8 | | | 162.3 |
| TAMB 59, DEG F | 800 | 91.1 | 93.6 | 94.1 | 95.2 | 95.2 | 96.0 | 97.7 | 100.5 | 102.6 | 105.0 | 104.4 | 107.0 | 107.2 | 104.4 | | | 161.3 |
| (288, DEG K) | 1000 | 91.0 | 93.6 | 93.8 | 94.5 | 96.1 | 96.1 | 96.8 | 99.5 | 101.5 | 103.9 | 103.2 | 106.0 | 106.7 | 104.4 | | | 160.6 |
| THET 53, DEG F | 1250 | 90.6 | 93.3 | 93.8 | 94.6 | 95.0 | 95.2 | 96.3 | 98.9 | 101.0 | 102.5 | 102.5 | 104.8 | 105.5 | 103.6 | | | 159.8 |
| (285, DEG K) | 1600 | 89.6 | 92.6 | 93.0 | 93.4 | 95.3 | 94.3 | 95.6 | 97.7 | 99.2 | 101.3 | 100.9 | 103.6 | 104.3 | 102.2 | | | 158.7 |
| HACT 8.91 GM/M3 | 2000 | 88.4 | 91.7 | 92.5 | 92.8 | 93.9 | 93.2 | 95.1 | 96.3 | 98.4 | 99.3 | 99.4 | 101.7 | 102.7 | 100.3 | | | 157.4 |
| (.00891 KG/M3) | 2500 | 86.6 | 89.9 | 90.3 | 92.1 | 92.9 | 91.6 | 93.2 | 94.7 | 97.3 | 97.6 | 97.5 | 100.5 | 101.3 | 98.4 | | | 156.3 |
| FREQ. SHIFT | 3150 | 84.4 | 88.1 | 89.4 | 90.7 | 91.5 | 90.7 | 91.6 | 93.4 | 94.7 | 95.5 | 95.4 | 98.3 | 99.9 | 96.9 | | | 154.9 |
| JET 9 | 4000 | 81.1 | 85.4 | 86.5 | 88.4 | 88.7 | 88.5 | 89.6 | 91.0 | 91.9 | 93.4 | 93.8 | 95.9 | 97.7 | 94.6 | | | 153.4 |
| DIAMETER RATIO | 5000 | 79.4 | 83.1 | 84.1 | 85.6 | 85.2 | 85.5 | 86.7 | 88.1 | 89.7 | 90.3 | 90.5 | 93.6 | 95.1 | 92.8 | | | 151.1 |
| DP/DM 8.00' | 6300 | 76.3 | 80.0 | 81.5 | 82.8 | 82.7 | 83.0 | 83.8 | 86.2 | 86.5 | 89.2 | 88.9 | 92.9 | 94.2 | 92.6 | | | 150.9 |
| OVERALL CALCULATED | 8000 | 74.7 | 77.4 | 78.3 | 79.5 | 79.3 | 79.1 | 80.3 | 82.9 | 85.4 | 88.8 | 87.1 | 94.0 | 94.7 | 93.8 | | | 152.6 |
| PNDB | 10000 | 74.4 | 74.8 | 74.8 | 76.6 | 76.9 | 77.0 | 78.0 | 86.7 | 84.1 | 90.9 | 86.9 | 95.2 | 95.9 | 95.1 | | | 156.2 |
| | | 108.0 | 108.6 | 109.0 | 108.7 | 109.4 | 109.7 | 111.6 | 113.6 | 115.9 | 119.4 | 122.1 | 127.1 | 127.5 | 125.4 | | | 172.1 |
| | | 115.1 | 116.4 | 116.9 | 117.8 | 118.5 | 118.2 | 119.7 | 121.7 | 123.8 | 125.9 | 127.1 | 131.3 | 131.4 | 129.4 | | | 180.4 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| REV. ALPHA 12/73 | FREQ. | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) |
| | | 67.3 | 68.4 | 77.8 | 73.0 | 74.9 | 75.2 | 78.4 | 79.8 | 82.3 | 86.4 | 86.7 | 91.9 | 92.6 | 85.6 | | | | |
| NO. EGA | 50 | 71.6 | 74.2 | 76.5 | 75.9 | 76.7 | 77.3 | 79.8 | 82.1 | 83.7 | 86.2 | 88.9 | 95.7 | 94.4 | 88.6 | | | | |
| SIDELINE 2400. FT. | 63 | 72.3 | 76.0 | 76.6 | 76.7 | 77.9 | 77.6 | 80.9 | 82.5 | 84.9 | 88.2 | 92.8 | 97.3 | 96.1 | 89.7 | | | | |
| (731.52. M) | 80 | 74.2 | 76.3 | 78.4 | 78.4 | 80.1 | 79.6 | 81.9 | 84.9 | 85.9 | 89.9 | 92.2 | 96.2 | 94.5 | 21.2 | | | | |
| NFA 0. RPM | 100 | 75.2 | 75.9 | 79.4 | 78.7 | 80.3 | 81.4 | 83.3 | 85.1 | 87.2 | 91.1 | 93.9 | 96.4 | 94.5 | 88.9 | | | | |
| (0. RAD/SEC) | 125 | 75.4 | 77.1 | 78.9 | 79.7 | 80.4 | 81.1 | 84.4 | 85.8 | 86.6 | 90.6 | 93.6 | 96.9 | 93.4 | 86.8 | | | | |
| NFK 0. RPM | 160 | 73.0 | 76.4 | 77.8 | 78.8 | 80.2 | 81.8 | 83.4 | 85.0 | 86.9 | 89.5 | 91.5 | 93.9 | 91.3 | 84.2 | | | | |
| (0. RAD/SEC) | 200 | 72.2 | 75.0 | 75.5 | 79.1 | 80.2 | 81.0 | 82.8 | 84.2 | 86.2 | 88.8 | 90.1 | 92.5 | 89.7 | 82.3 | | | | |
| NFD 0. RPM | 250 | 70.5 | 74.0 | 75.7 | 76.9 | 77.8 | 79.4 | 81.5 | 83.1 | 85.5 | 88.5 | 87.7 | 90.6 | 87.1 | 79.9 | | | | |
| (0. RAD/SEC) | 315 | 68.3 | 73.4 | 74.9 | 76.4 | 78.1 | 79.1 | 80.7 | 82.6 | 84.8 | 87.3 | 86.3 | 88.4 | 85.1 | 77.8 | | | | |
| AIRFLOW RATIO | 400 | 65.8 | 70.5 | 72.5 | 74.5 | 76.4 | 78.8 | 79.8 | 81.9 | 84.3 | 85.8 | 84.1 | 85.4 | 82.2 | 75.0 | | | | |
| WF/WM 8.00 | 500 | 64.1 | 69.7 | 71.4 | 73.5 | 75.4 | 77.5 | 79.6 | 81.4 | 83.4 | 84.9 | 83.5 | 84.1 | 80.6 | 72.8 | | | | |
| | 630 | 62.3 | 68.3 | 71.0 | 73.6 | 74.5 | 75.9 | 77.8 | 80.3 | 82.0 | 83.4 | 81.3 | 81.7 | 78.4 | 69.8 | | | | |
| VEHICLE JENOTS | 800 | 60.9 | 67.2 | 69.9 | 72.2 | 74.2 | 75.4 | 76.2 | 78.7 | 80.2 | 81.6 | 79.3 | 79.7 | 76.6 | 67.8 | | | | |
| CONFIG JE-054 | 1000 | 58.8 | 65.6 | 68.8 | 71.3 | 72.9 | 73.7 | 75.0 | 77.3 | 78.8 | 79.2 | 77.5 | 77.2 | 73.7 | 64.4 | | | | |
| LOC EVENDALE | 1250 | 55.4 | 63.1 | 66.4 | 68.8 | 72.0 | 71.6 | 73.2 | 75.0 | 75.8 | 76.7 | 74.4 | 74.1 | 70.1 | 59.4 | | | | |
| DATE 04-15-75 | 1600 | 51.3 | 60.0 | 64.1 | 66.6 | 69.1 | 69.2 | 71.3 | 72.3 | 73.5 | 73.1 | 71.1 | 70.0 | 65.6 | 53.2 | | | | |
| RUN DBTF-MODEL 7 | 2000 | 45.3 | 55.0 | 59.3 | 63.6 | 66.0 | 65.5 | 67.4 | 68.7 | 70.4 | 69.1 | 66.5 | 65.6 | 60.0 | 44.9 | | | | |
| TAPE X70560 | 2500 | 36.4 | 48.1 | 54.2 | 58.6 | 61.2 | 61.5 | 62.7 | 64.2 | 64.4 | 63.3 | 60.2 | 58.3 | 51.9 | 33.4 | | | | |
| FAN TIP SPEED | 3150 | 23.0 | 37.7 | 44.9 | 50.7 | 53.4 | 54.5 | 56.0 | 57.0 | 56.6 | 55.7 | 52.2 | 48.2 | 39.6 | 16.0 | | | | |
| FT/SEC | 4000 | 15.4 | 30.9 | 38.9 | 44.7 | 47.7 | 48.7 | 50.4 | 51.3 | 51.5 | 49.4 | 45.2 | 41.4 | 31.1 | 5.5 | | | | |
| | 5000 | | | | | | | | | | | | | | | | | | |
| | 6300 | | | | | | | | | | | | | | | | | | |
| | 8000 | | | | | | | | | | | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 82.9 | 85.7 | 87.9 | 88.5 | 89.9 | 90.8 | 92.9 | 94.8 | 96.6 | 99.6 | 101.4 | 104.9 | 103.0 | 97.2 | | | | |
| PND8 | | 84.4 | 88.7 | 91.2 | 93.1 | 94.7 | 95.6 | 97.4 | 99.3 | 101.2 | 103.2 | 103.6 | 106.0 | 103.0 | 96.6 | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PHL | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) |
| | NO EGA | 50 | 88.9 | 88.0 | 93.3 | 89.9 | 90.7 | 90.2 | 93.6 | 94.1 | 97.3 | 101.8 | 102.8 | 109.8 | 112.5 | 109.6 | | | | | 162.3 |
| | RDG. NO. | 63 | 93.3 | 94.3 | 94.1 | 91.5 | 92.7 | 92.6 | 95.2 | 97.5 | 99.9 | 103.7 | 108.0 | 116.9 | 118.1 | 114.1 | | | | | 167.9 |
| | RADIAL 320, FT. | 80 | 94.6 | 95.2 | 94.7 | 93.7 | 94.2 | 93.5 | 96.1 | 98.1 | 100.4 | 104.9 | 109.7 | 115.8 | 115.6 | 115.5 | | | | | 167.1 |
| | (98, 4) | 100 | 95.7 | 96.6 | 96.6 | 95.9 | 95.8 | 94.8 | 97.8 | 100.4 | 102.3 | 107.4 | 111.5 | 117.3 | 116.7 | 117.1 | | | | | 168.6 |
| | VEHICLE JENOTS | 125 | 98.1 | 96.6 | 97.3 | 96.1 | 96.0 | 97.2 | 98.9 | 100.8 | 102.6 | 107.3 | 111.0 | 115.2 | 115.1 | 114.7 | | | | | 167.1 |
| | CONFIG JE-034 | 160 | 96.5 | 96.9 | 97.1 | 96.5 | 97.0 | 97.2 | 100.2 | 101.4 | 102.4 | 108.1 | 112.6 | 117.5 | 116.2 | 113.2 | | | | | 168.3 |
| | LOC EVENDALE | 200 | 95.8 | 97.0 | 96.4 | 96.8 | 96.8 | 97.7 | 99.8 | 100.7 | 103.1 | 106.5 | 111.3 | 115.5 | 115.4 | 112.0 | | | | | 167.0 |
| | DATE 04-15-75 | 250 | 96.9 | 96.4 | 94.8 | 97.4 | 97.5 | 97.4 | 98.3 | 100.4 | 103.0 | 106.4 | 109.4 | 114.3 | 114.1 | 110.3 | | | | | 165.9 |
| | RUN DBTF-MODEL 7 | 315 | 93.8 | 95.1 | 95.0 | 94.5 | 94.9 | 95.7 | 97.7 | 99.5 | 102.3 | 105.6 | 106.8 | 112.5 | 110.5 | 107.0 | | | | | 163.7 |
| | TAPE X70570 | 400 | 91.9 | 93.5 | 93.6 | 94.3 | 94.7 | 95.7 | 96.9 | 99.0 | 101.2 | 103.8 | 106.3 | 110.5 | 109.2 | 104.7 | | | | | 162.4 |
| | BAR 29.9 HG | 500 | 89.6 | 91.6 | 91.9 | 92.5 | 93.3 | 94.0 | 95.8 | 98.1 | 101.0 | 104.3 | 104.2 | 108.7 | 106.2 | 101.9 | | | | | 160.7 |
| | (01039, N/42) | 630 | 87.9 | 89.5 | 90.3 | 90.8 | 92.0 | 93.3 | 95.5 | 97.7 | 100.5 | 102.9 | 102.9 | 106.6 | 103.7 | 98.8 | | | | | 159.1 |
| | TAMB 59, DEG F | 800 | 86.1 | 88.6 | 88.8 | 90.2 | 91.2 | 92.5 | 94.0 | 96.5 | 99.1 | 101.5 | 101.2 | 104.0 | 100.7 | 95.2 | | | | | 157.3 |
| | (288, DEG K) | 1000 | 84.8 | 88.1 | 88.8 | 89.8 | 90.6 | 91.4 | 93.0 | 95.7 | 97.5 | 99.9 | 99.0 | 102.0 | 98.7 | 93.2 | | | | | 155.7 |
| | THET 53, DEG F | 1250 | 83.3 | 87.0 | 87.0 | 88.8 | 90.0 | 90.0 | 91.8 | 94.1 | 97.0 | 98.2 | 97.0 | 99.1 | 95.8 | 90.9 | | | | | 154.0 |
| | (285, DEG K) | 1600 | 81.8 | 85.1 | 86.2 | 87.2 | 88.6 | 88.6 | 90.9 | 92.7 | 95.2 | 96.5 | 95.7 | 96.9 | 93.8 | 90.2 | | | | | 152.5 |
| | HACT 8.91 GM/M3 | 2000 | 79.4 | 83.5 | 84.5 | 85.8 | 87.2 | 87.7 | 90.1 | 91.8 | 93.6 | 94.8 | 93.2 | 94.7 | 90.7 | 86.8 | | | | | 151.0 |
| | (00891 KG/M3) | 2500 | 77.6 | 81.4 | 82.8 | 84.1 | 84.6 | 85.6 | 87.2 | 89.5 | 92.3 | 93.1 | 91.3 | 92.5 | 89.1 | 84.6 | | | | | 149.3 |
| | FREQ. SHIFT | 3150 | 75.4 | 79.9 | 80.6 | 82.0 | 82.5 | 83.2 | 85.6 | 87.4 | 89.7 | 91.5 | 88.4 | 91.3 | 88.9 | 87.1 | | | | | 148.0 |
| | JET 9 | 4000 | 72.6 | 76.7 | 77.7 | 78.9 | 79.2 | 80.3 | 82.1 | 84.3 | 85.4 | 88.1 | 86.0 | 89.6 | 87.9 | 85.8 | | | | | 146.0 |
| | DIAMETER RATIO | 5000 | 70.6 | 74.3 | 75.6 | 76.6 | 76.7 | 77.0 | 78.7 | 80.9 | 83.2 | 84.0 | 83.0 | 87.6 | 86.8 | 87.1 | | | | | 144.0 |
| | DF/DM 8.00 | 6300 | 69.8 | 73.0 | 73.0 | 74.3 | 74.0 | 74.3 | 75.8 | 77.5 | 81.0 | 83.9 | 82.2 | 89.9 | 88.2 | 89.8 | | | | | 145.7 |
| | OVERALL CALCULATED | 8000 | 71.2 | 72.4 | 71.6 | 73.3 | 73.3 | 73.1 | 74.1 | 76.6 | 81.1 | 86.0 | 83.3 | 92.3 | 91.5 | 92.3 | | | | | 149.7 |
| | PND8 | 10000 | 72.9 | 73.3 | 71.6 | 73.6 | 74.9 | 74.0 | 75.0 | 77.2 | 83.1 | 89.4 | 85.2 | 94.9 | 93.7 | 94.6 | | | | | 154.8 |
| | | | 105.5 | 106.1 | 106.2 | 106.1 | 106.4 | 106.8 | 108.9 | 110.8 | 113.0 | 116.9 | 120.1 | 125.4 | 125.2 | 123.2 | | | | | 176.9 |
| | | | 110.4 | 111.6 | 111.8 | 112.6 | 113.0 | 113.4 | 115.4 | 117.4 | 119.8 | 122.9 | 124.3 | 128.7 | 127.7 | 125.3 | | | | | 178.2 |

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ORIGINAL PAGE 1
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | 0, | 0, |
| REV, ALPHA 12/73 EREQ, | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) |
| NO EGA | | 50 | 65,1 | 66,4 | 73,3 | 71,0 | 72,4 | 72,4 | 75,9 | 76,3 | 79,1 | 82,9 | 82,7 | 88,2 | 88,6 | 82,3 | | | | |
| SIDELINE 2400, FT. | | 63 | 69,4 | 72,7 | 74,0 | 72,5 | 74,5 | 74,8 | 77,5 | 79,6 | 81,7 | 84,7 | 87,9 | 95,2 | 94,1 | 86,6 | | | | |
| (731,52 M) | | 80 | 70,5 | 73,5 | 74,6 | 74,7 | 75,9 | 75,6 | 78,4 | 80,2 | 82,1 | 85,9 | 89,6 | 94,1 | 91,6 | 88,0 | | | | |
| NFA | | 100 | 71,5 | 74,8 | 76,4 | 76,8 | 77,4 | 76,8 | 80,0 | 82,4 | 83,9 | 88,3 | 91,2 | 95,4 | 92,5 | 89,4 | | | | |
| 0, RPM | | 125 | 73,7 | 74,7 | 76,9 | 77,0 | 77,6 | 79,2 | 81,0 | 82,8 | 84,2 | 88,1 | 90,6 | 93,2 | 90,8 | 86,6 | | | | |
| 0, RAD/SEC | | 160 | 71,9 | 74,8 | 76,6 | 77,2 | 78,4 | 79,1 | 82,2 | 83,3 | 83,9 | 88,8 | 92,1 | 95,4 | 91,6 | 84,8 | | | | |
| NPK | | 200 | 71,0 | 74,7 | 75,8 | 77,3 | 78,2 | 79,5 | 81,7 | 82,5 | 84,4 | 87,0 | 90,7 | 93,1 | 90,6 | 83,2 | | | | |
| 0, RPM | | 250 | 71,7 | 73,8 | 74,0 | 77,8 | 78,7 | 79,0 | 80,1 | 82,0 | 84,2 | 86,8 | 88,6 | 91,7 | 89,0 | 81,1 | | | | |
| 0, RAD/SEC | | 315 | 68,3 | 72,2 | 74,0 | 74,6 | 75,8 | 77,1 | 79,3 | 80,9 | 83,3 | 85,8 | 85,7 | 89,6 | 84,9 | 77,2 | | | | |
| NFD | | 400 | 65,8 | 70,2 | 72,2 | 74,1 | 75,4 | 76,8 | 78,2 | 80,1 | 81,8 | 85,3 | 84,8 | 87,2 | 83,1 | 74,0 | | | | |
| 0, RPM | | 500 | 62,8 | 67,8 | 70,0 | 72,0 | 73,6 | 74,8 | 76,8 | 78,9 | 81,3 | 83,8 | 82,4 | 84,9 | 79,4 | 70,3 | | | | |
| AIRFLOW RATIO | | 630 | 60,3 | 65,0 | 67,9 | 69,8 | 71,9 | 73,7 | 76,1 | 78,1 | 80,4 | 81,9 | 80,5 | 82,1 | 76,1 | 65,8 | | | | |
| WF/WB 8,00 | | 800 | 57,3 | 63,3 | 65,7 | 68,6 | 70,5 | 72,4 | 74,0 | 76,3 | 78,5 | 79,9 | 78,1 | 78,7 | 71,9 | 60,5 | | | | |
| VEHICLE JENOTS | | 1000 | 54,7 | 61,7 | 64,9 | 67,4 | 69,2 | 70,6 | 72,5 | 75,0 | 76,2 | 77,6 | 75,0 | 75,7 | 68,6 | 56,5 | | | | |
| CONFIG JE#054 | | 1250 | 51,5 | 59,4 | 62,0 | 65,6 | 67,9 | 68,4 | 70,5 | 72,6 | 74,8 | 75,0 | 72,0 | 71,4 | 64,0 | 51,7 | | | | |
| LOC EVENDALE | | 1600 | 47,6 | 55,6 | 59,7 | 62,6 | 65,2 | 65,9 | 68,4 | 70,0 | 71,8 | 71,9 | 69,1 | 67,4 | 59,6 | 47,4 | | | | |
| DATE 04-15-75 | | 2000 | 42,3 | 51,8 | 56,1 | 59,6 | 62,4 | 63,7 | 66,3 | 67,8 | 68,8 | 68,6 | 64,8 | 63,0 | 53,6 | 39,7 | | | | |
| RUN DBTF-MODEL 7 | | 2500 | 36,3 | 46,5 | 51,8 | 55,6 | 57,7 | 59,5 | 61,4 | 63,4 | 65,4 | 64,6 | 60,3 | 57,6 | 47,7 | 31,2 | | | | |
| TAPE X70570 | | 3150 | 27,4 | 39,8 | 45,4 | 49,8 | 52,2 | 54,0 | 56,7 | 58,2 | 59,4 | 59,3 | 53,2 | 51,3 | 40,9 | 23,6 | | | | |
| FAN TIP SPEED | | 4000 | 14,5 | 28,9 | 36,2 | 41,2 | 43,9 | 46,3 | 48,5 | 50,3 | 50,1 | 50,4 | 44,5 | 41,9 | 29,8 | 7,3 | | | | |
| FT/SEC | | 5000 | 6,6 | 22,2 | 30,4 | 35,7 | 38,5 | 40,2 | 42,4 | 44,1 | 45,0 | 43,1 | 37,7 | 35,4 | 22,8 | | | | | |
| | | 6300 | | 7,7 | 17,0 | 24,0 | 27,2 | 29,4 | 31,5 | 32,6 | 34,2 | 33,6 | 26,1 | 24,6 | 7,0 | | | | | |
| | | 8000 | | | | 8,6 | 13,4 | 15,7 | 17,6 | 19,3 | 21,2 | 21,3 | 10,7 | 6,9 | | | | | | |
| | | 10000 | | | | | | | 1,4 | 2,5 | 4,8 | 4,5 | | | | | | | | |
| OVERALL CALCULATED | | | 80,7 | 83,6 | 85,4 | 86,3 | 87,4 | 88,2 | 90,5 | 92,1 | 93,9 | 97,2 | 99,5 | 103,2 | 100,7 | 95,2 | | | | |
| PNDB | | | 81,7 | 85,6 | 87,7 | 89,9 | 91,3 | 92,2 | 94,3 | 96,0 | 97,9 | 100,3 | 101,3 | 103,9 | 100,3 | 93,7 | | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PHL | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) |
| | NO EGA | 50 | 95.9 | 93.5 | 94.3 | 96.2 | 97.2 | 99.3 | 101.1 | 103.6 | 107.8 | 111.5 | 116.3 | 119.7 | 114.6 | | | | | | 169.0 |
| | REG. NO. 3 | 83 | 99.6 | 98.8 | 99.1 | 97.8 | 98.2 | 99.4 | 101.7 | 104.2 | 105.9 | 108.9 | 115.0 | 121.4 | 122.6 | 119.3 | | | | | 172.7 |
| | RADIAL 320. FT. | 80 | 100.8 | 101.5 | 101.0 | 99.5 | 100.0 | 99.8 | 101.9 | 104.1 | 107.2 | 110.7 | 118.7 | 122.6 | 123.9 | 118.8 | | | | | 174.2 |
| | (98. M) | 100 | 102.5 | 101.4 | 104.8 | 101.3 | 101.8 | 102.0 | 103.4 | 107.1 | 108.3 | 112.5 | 119.0 | 123.3 | 123.0 | 121.2 | | | | | 174.6 |
| | VEHICLE - JENOTS | 125 | 104.3 | 101.9 | 103.5 | 101.9 | 102.3 | 103.2 | 104.9 | 107.6 | 109.4 | 113.6 | 119.7 | 121.4 | 122.1 | 119.2 | | | | | 173.8 |
| | CONFIG - JENOTS | 150 | 104.0 | 103.7 | 103.1 | 103.3 | 103.0 | 104.2 | 105.9 | 107.7 | 109.7 | 113.7 | 121.4 | 124.0 | 121.2 | 117.0 | | | | | 173.0 |
| | LCC EYE, DA_E | 200 | 102.8 | 103.8 | 103.0 | 102.8 | 103.1 | 104.3 | 105.8 | 107.8 | 110.1 | 113.3 | 118.9 | 121.8 | 119.7 | 115.0 | | | | | 172.6 |
| | DATE 64-21-75 | 250 | 103.7 | 102.4 | 101.4 | 104.0 | 103.5 | 104.4 | 105.1 | 107.9 | 110.1 | 112.7 | 117.7 | 121.6 | 119.4 | 114.4 | | | | | 171.3 |
| | RLN DBTF-MODEL 7 | 315 | 102.9 | 102.9 | 102.1 | 101.8 | 102.0 | 103.3 | 104.8 | 107.5 | 109.9 | 112.5 | 116.1 | 120.3 | 117.3 | 112.6 | | | | | 170.6 |
| | TARE X70580 | 400 | 102.5 | 102.9 | 102.2 | 102.7 | 102.3 | 103.0 | 104.2 | 106.6 | 109.8 | 112.1 | 115.6 | 119.3 | 116.3 | 110.8 | | | | | 169.3 |
| | BAR 29.9 HG | 500 | 100.0 | 101.3 | 101.3 | 101.6 | 101.5 | 102.9 | 103.9 | 107.3 | 109.4 | 111.5 | 115.1 | 117.1 | 113.9 | 109.1 | | | | | 168.9 |
| | (01039, N/42) | 633 | 98.9 | 100.4 | 100.5 | 101.0 | 101.4 | 102.9 | 104.4 | 107.1 | 109.4 | 111.9 | 114.8 | 116.7 | 112.6 | 108.2 | | | | | 168.2 |
| | TAMB 59. DEG F | 800 | 98.3 | 100.1 | 100.8 | 101.4 | 101.7 | 102.5 | 103.5 | 106.7 | 109.1 | 111.2 | 113.7 | 115.7 | 111.6 | 106.9 | | | | | 167.4 |
| | (289. DEG K) | 1000 | 97.6 | 99.4 | 100.1 | 101.6 | 101.9 | 102.2 | 103.6 | 106.3 | 108.1 | 109.2 | 113.3 | 114.1 | 111.2 | 106.2 | | | | | 166.8 |
| | TMET 53. DEG F | 1250 | 96.5 | 99.2 | 100.2 | 101.2 | 102.2 | 102.1 | 102.7 | 105.7 | 108.1 | 108.9 | 111.8 | 113.4 | 109.9 | 105.7 | | | | | 166.1 |
| | (285. DEG K) | 1600 | 95.3 | 98.3 | 99.4 | 100.9 | 101.5 | 101.3 | 102.3 | 104.9 | 106.6 | 107.9 | 110.6 | 112.8 | 109.5 | 104.4 | | | | | 165.0 |
| | MACT 8.91 GM/M3 | 2000 | 93.3 | 96.4 | 98.1 | 99.4 | 101.1 | 100.6 | 101.7 | 104.0 | 105.0 | 106.7 | 109.1 | 111.4 | 107.6 | 102.5 | | | | | 163.6 |
| | (.00891 KG/M3) | 2500 | 91.5 | 94.6 | 96.0 | 97.6 | 99.1 | 99.3 | 100.1 | 101.9 | 104.3 | 104.5 | 107.7 | 109.4 | 106.2 | 100.3 | | | | | 162.0 |
| | FREQ. SHIFT | 3150 | 89.5 | 93.4 | 94.7 | 96.8 | 96.3 | 97.8 | 98.2 | 100.5 | 101.7 | 102.8 | 105.0 | 107.4 | 104.2 | 98.4 | | | | | 160.2 |
| | JET 9 | 4000 | 86.8 | 89.6 | 91.7 | 93.6 | 92.9 | 95.5 | 96.0 | 98.2 | 98.6 | 100.3 | 103.0 | 104.6 | 102.2 | 95.8 | | | | | 158.3 |
| | DIAMETER RATIO | 5000 | 85.2 | 88.4 | 90.4 | 92.0 | 91.0 | 92.6 | 93.3 | 95.0 | 96.6 | 97.6 | 99.8 | 102.5 | 100.9 | 94.4 | | | | | 157.1 |
| | DF/DN 8.00 | 6300 | 82.2 | 85.4 | 88.1 | 89.4 | 88.3 | 89.6 | 90.6 | 92.6 | 94.1 | 96.5 | 96.5 | 101.5 | 98.6 | 93.7 | | | | | 155.1 |
| | OVERALL CALCULATED | 8000 | 78.9 | 81.8 | 85.5 | 87.4 | 86.0 | 87.0 | 88.0 | 90.5 | 91.7 | 96.6 | 97.2 | 98.7 | 97.9 | 94.4 | | | | | 151.1 |
| | PNDB | 10000 | 76.9 | 78.5 | 83.8 | 86.1 | 85.6 | 86.7 | 87.0 | 90.0 | 88.9 | 98.4 | 97.2 | 99.4 | 98.2 | 95.9 | | | | | 148.9 |
| | | | 113.4 | 113.5 | 113.9 | 114.0 | 114.3 | 115.0 | 116.3 | 118.9 | 121.1 | 123.7 | 129.0 | 132.3 | 131.4 | 127.6 | | | | | 135.2 |
| | | | 119.9 | 121.4 | 122.5 | 123.5 | 124.1 | 124.7 | 125.7 | 128.0 | 130.0 | 131.7 | 135.3 | 137.9 | 135.7 | 131.5 | | | | | |

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 0° | 0° | 0° | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | |
| REV. ALPHA 12773 | FREQ. | 50 | 72.1 | 71.9 | 74.3 | 77.2 | 78.9 | 79.4 | 81.7 | 83.3 | 85.3 | 88.9 | 91.5 | 94.7 | 95.9 | 87.3 | | | |
| | | 63 | 75.6 | 77.2 | 79.0 | 78.8 | 80.0 | 81.5 | 84.0 | 86.4 | 87.7 | 90.0 | 94.9 | 99.7 | 98.6 | 91.9 | | | |
| SIDELINE 2400 FT | | 81 | 76.9 | 79.7 | 80.8 | 80.4 | 81.7 | 81.9 | 84.1 | 86.2 | 88.9 | 91.7 | 98.6 | 100.8 | 99.9 | 91.2 | | | |
| (731.52 M) | | 100 | 78.3 | 79.6 | 84.4 | 82.2 | 83.4 | 84.1 | 85.6 | 89.2 | 89.9 | 93.4 | 98.7 | 101.4 | 98.8 | 93.4 | | | |
| NFA | 0. RPM | 125 | 80.0 | 79.9 | 83.2 | 82.7 | 83.8 | 85.2 | 87.0 | 89.6 | 91.0 | 94.4 | 99.4 | 99.5 | 97.8 | 91.2 | | | |
| (| 0. RAD/SEC) | 160 | 79.5 | 81.6 | 82.7 | 84.0 | 84.4 | 86.1 | 88.0 | 89.6 | 91.1 | 94.3 | 100.6 | 101.9 | 96.6 | 88.6 | | | |
| NFK | 0. RPM | 200 | 79.0 | 81.4 | 82.3 | 83.3 | 84.4 | 86.0 | 87.7 | 89.5 | 91.5 | 93.8 | 96.3 | 99.4 | 94.9 | 86.3 | | | |
| (| 0. RAD/SEC) | 250 | 73.5 | 79.8 | 80.5 | 84.4 | 84.7 | 86.0 | 86.9 | 89.5 | 91.2 | 93.1 | 96.9 | 99.0 | 94.3 | 85.1 | | | |
| NFD | 0. RPM | 315 | 77.4 | 80.0 | 81.0 | 82.0 | 82.9 | 84.7 | 86.4 | 88.2 | 90.2 | 92.6 | 95.0 | 97.4 | 91.7 | 82.8 | | | |
| (| 0. RAD/SEC) | 400 | 76.4 | 79.5 | 80.8 | 82.5 | 83.0 | 84.2 | 85.5 | 87.7 | 90.4 | 91.9 | 94.2 | 96.0 | 90.2 | 80.1 | | | |
| AIRFLOW RATIO | | 500 | 73.2 | 77.4 | 79.4 | 81.1 | 81.8 | 83.7 | 84.9 | 88.1 | 89.7 | 90.9 | 93.3 | 93.3 | 87.1 | 77.4 | | | |
| WF/M 8.00 | | 630 | 71.2 | 75.9 | 78.1 | 80.0 | 81.3 | 83.4 | 85.0 | 87.6 | 89.4 | 89.9 | 92.4 | 92.3 | 85.0 | 75.3 | | | |
| | | 800 | 69.5 | 74.8 | 77.7 | 79.8 | 81.0 | 82.4 | 83.5 | 86.6 | 88.4 | 88.6 | 90.6 | 90.4 | 82.9 | 72.2 | | | |
| VEHICLE | JENOTS | 1000 | 67.5 | 73.0 | 76.2 | 79.2 | 80.5 | 81.4 | 83.0 | 85.5 | 86.8 | 86.9 | 89.3 | 87.7 | 81.1 | 69.6 | | | |
| CONFIG | JE4055 | 1250 | 64.7 | 71.5 | 75.2 | 77.9 | 80.0 | 80.5 | 81.4 | 84.2 | 85.9 | 85.6 | 86.8 | 85.8 | 78.1 | 66.5 | | | |
| LCC | EVENDALE | 1600 | 61.0 | 68.8 | 72.9 | 76.3 | 78.1 | 78.6 | 79.8 | 82.2 | 83.2 | 83.3 | 84.1 | 83.3 | 75.3 | 61.6 | | | |
| DATE | 04-21-75 | 2000 | 56.2 | 64.7 | 69.8 | 73.2 | 76.3 | 76.6 | 77.9 | 79.9 | 80.2 | 80.5 | 80.7 | 79.7 | 70.5 | 55.3 | | | |
| RUN | DBTF-MODEL 7 | 2500 | 50.2 | 59.7 | 65.0 | 69.1 | 72.2 | 73.2 | 74.4 | 75.9 | 77.4 | 76.0 | 76.7 | 74.5 | 64.9 | 47.1 | | | |
| TARE | X70580 | 3150 | 41.4 | 53.4 | 59.5 | 64.6 | 66.0 | 68.6 | 69.3 | 71.2 | 71.4 | 70.6 | 69.7 | 67.3 | 56.2 | 34.9 | | | |
| FAN TIP SPEED | | 4000 | 28.7 | 41.9 | 50.1 | 55.9 | 57.6 | 61.5 | 62.5 | 64.2 | 63.3 | 62.7 | 61.4 | 56.9 | 44.0 | 17.2 | | | |
| | FT/SEC | 5000 | 21.2 | 36.3 | 45.2 | 51.1 | 52.8 | 55.8 | 57.0 | 58.2 | 58.4 | 56.7 | 54.6 | 50.3 | 36.9 | 7.1 | | | |
| | | 6300 | 1.0 | 20.1 | 32.1 | 39.1 | 41.5 | 44.7 | 46.4 | 47.7 | 47.3 | 46.2 | 42.5 | 36.2 | 19.4 | | | | |
| | | 8000 | | | 12.9 | 22.7 | 26.0 | 29.6 | 31.4 | 33.2 | 31.8 | 31.9 | 24.6 | 13.3 | | | | | |
| | | 10000 | | | | 1.2 | 7.3 | 12.0 | 13.4 | 15.2 | 10.6 | 13.5 | 1.5 | | | | | | |
| OVERALL CALCULATED | | | 88.1 | 90.4 | 92.4 | 93.4 | 94.4 | 95.8 | 97.3 | 99.8 | 101.5 | 103.6 | 108.0 | 109.8 | 106.9 | 99.4 | | | |
| | PND8 | | 90.5 | 94.3 | 96.7 | 98.7 | 100.2 | 101.3 | 102.7 | 105.1 | 106.8 | 108.2 | 111.2 | 112.1 | 107.1 | 98.9 | | | |

| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 180. | 190. | 210. | PHI |
|--------------------|-------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.0) | (3.0) | |
| NO EGA | 53 | | 93.9 | 91.0 | 92.6 | 93.7 | 95.2 | 95.0 | 97.8 | 99.3 | 101.3 | 106.3 | 109.3 | 115.0 | 118.0 | 113.6 | | | | 167.4 |
| RCB, NO. 0 | 53 | | 97.3 | 97.3 | 97.6 | 95.8 | 96.5 | 97.9 | 99.7 | 102.3 | 104.2 | 107.2 | 113.0 | 119.4 | 120.3 | 117.3 | | | | 170.7 |
| RADIAL 320, FT. | 50 | | 98.1 | 99.7 | 99.0 | 97.5 | 98.0 | 97.8 | 100.1 | 102.1 | 105.2 | 109.2 | 117.0 | 121.6 | 122.4 | 117.6 | | | | 172.8 |
| (98.4) | 100 | | 100.0 | 99.4 | 103.1 | 99.8 | 100.0 | 100.3 | 101.4 | 105.4 | 106.8 | 111.5 | 117.5 | 121.0 | 120.7 | 120.0 | | | | 172.7 |
| VEHICLE JENOTS | 125 | | 102.3 | 100.4 | 101.5 | 100.4 | 100.5 | 101.4 | 102.9 | 105.8 | 107.4 | 112.1 | 118.7 | 120.9 | 120.9 | 118.4 | | | | 172.8 |
| CONFIG JE-055 | 140 | | 102.5 | 101.2 | 101.9 | 101.6 | 101.7 | 102.5 | 104.4 | 105.7 | 107.2 | 112.2 | 119.9 | 122.0 | 119.4 | 116.2 | | | | 173.4 |
| LOC EYENDALE | 200 | | 101.8 | 102.0 | 101.0 | 101.3 | 100.9 | 102.8 | 103.6 | 105.5 | 107.9 | 112.0 | 117.6 | 120.0 | 118.2 | 114.3 | | | | 171.3 |
| CATE 54-21-75 | 250 | | 102.4 | 101.2 | 99.9 | 102.2 | 101.5 | 102.4 | 102.9 | 105.2 | 108.3 | 111.2 | 116.2 | 119.0 | 117.2 | 112.4 | | | | 170.7 |
| RUN DBTF-MODEL 7 | 315 | | 101.9 | 101.2 | 101.4 | 100.3 | 100.2 | 101.1 | 102.3 | 105.0 | 107.7 | 110.2 | 114.4 | 117.8 | 115.0 | 111.4 | | | | 168.1 |
| TAPE X70590 | 400 | | 100.5 | 101.1 | 100.5 | 101.2 | 100.8 | 101.5 | 101.7 | 104.6 | 107.0 | 110.1 | 113.6 | 115.8 | 114.0 | 109.8 | | | | 168.1 |
| BAR 29.2 HG | 530 | | 98.7 | 100.0 | 99.0 | 100.1 | 100.0 | 101.4 | 101.9 | 104.3 | 106.4 | 109.0 | 112.4 | 114.1 | 111.9 | 108.1 | | | | 166.7 |
| Q1039, N/42 | 630 | | 97.6 | 98.9 | 98.7 | 99.2 | 99.1 | 100.7 | 101.4 | 104.4 | 106.7 | 109.6 | 111.1 | 113.2 | 110.9 | 107.7 | | | | 166.1 |
| TAMB 59, DEG F | 800 | | 96.0 | 98.1 | 98.3 | 99.2 | 99.7 | 100.5 | 101.0 | 103.4 | 105.6 | 107.5 | 109.7 | 112.2 | 110.1 | 106.4 | | | | 165.1 |
| (268, DEG K) | 1000 | | 95.3 | 97.6 | 97.4 | 98.6 | 99.4 | 100.4 | 100.3 | 103.5 | 104.8 | 106.7 | 109.0 | 110.8 | 108.1 | 105.5 | | | | 164.4 |
| THET 53, DEG F | 1250 | | 95.0 | 97.4 | 97.4 | 98.5 | 98.7 | 99.3 | 99.4 | 102.2 | 104.3 | 105.6 | 107.8 | 110.2 | 108.1 | 105.1 | | | | 163.7 |
| (205, DEG K) | 1600 | | 93.0 | 95.6 | 96.4 | 97.9 | 98.0 | 98.5 | 99.3 | 101.7 | 102.6 | 104.4 | 106.6 | 108.8 | 107.0 | 103.9 | | | | 162.7 |
| HACT 8.91 GM/MS | 2000 | | 91.3 | 94.1 | 94.9 | 96.7 | 97.1 | 97.1 | 98.7 | 100.5 | 101.5 | 103.2 | 105.3 | 108.4 | 105.9 | 102.2 | | | | 161.9 |
| (0.0891 KG/MS) | 2500 | | 89.5 | 92.3 | 93.8 | 94.8 | 95.3 | 95.3 | 96.4 | 98.4 | 100.0 | 101.5 | 103.2 | 105.7 | 103.7 | 100.3 | | | | 160.0 |
| FREQ. SHIFT | 3150 | | 87.5 | 90.7 | 91.4 | 93.0 | 93.3 | 93.8 | 94.9 | 96.2 | 97.5 | 98.8 | 100.5 | 103.6 | 102.5 | 98.9 | | | | 158.4 |
| JET 9 | 4000 | | 84.3 | 87.6 | 88.4 | 90.4 | 89.7 | 91.7 | 92.8 | 94.4 | 94.4 | 96.3 | 98.0 | 101.1 | 100.2 | 96.3 | | | | 156.7 |
| DIAMETER RATIO | 5000 | | 82.2 | 85.4 | 86.7 | 88.2 | 87.0 | 88.3 | 89.3 | 91.2 | 92.3 | 93.1 | 94.3 | 96.5 | 97.4 | 94.7 | | | | 154.3 |
| DF/DH 8.00 | 6300 | | 78.9 | 83.1 | 83.6 | 85.4 | 83.8 | 86.1 | 87.4 | 88.8 | 88.8 | 91.2 | 94.0 | 97.2 | 96.6 | 93.9 | | | | 154.0 |
| OVERALL CALCULATED | 8000 | | 77.4 | 79.3 | 80.7 | 82.2 | 80.7 | 82.0 | 85.2 | 87.5 | 86.7 | 90.4 | 94.0 | 96.2 | 96.4 | 93.4 | | | | 154.9 |
| PND8 | 10000 | | 76.4 | 76.3 | 77.6 | 78.9 | 78.1 | 79.5 | 85.8 | 88.2 | 85.9 | 91.1 | 95.7 | 97.4 | 97.2 | 95.4 | | | | 150.3 |
| | | | 111.7 | 111.7 | 112.0 | 112.0 | 112.1 | 113.0 | 114.0 | 116.4 | 118.5 | 121.8 | 127.2 | 130.4 | 129.6 | 126.7 | | | | 148.0 |
| | | | 118.2 | 119.4 | 120.0 | 120.9 | 121.0 | 121.6 | 122.8 | 124.9 | 126.5 | 128.7 | 132.5 | 135.4 | 133.7 | 130.7 | | | | 145.3 |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 70.1 | 69.4 | 72.5 | 74.7 | 76.9 | 77.2 | 80.2 | 81.5 | 83.1 | 87.4 | 89.2 | 93.4 | 94.1 | 86.3 | | | |
| SIDELINE 2400. FT. | 80 | 74.0 | 78.0 | 78.8 | 78.4 | 79.7 | 79.9 | 82.4 | 84.2 | 86.9 | 90.2 | 96.8 | 99.8 | 98.4 | 90.0 | | | |
| (731.52 M) | 100 | 75.8 | 77.6 | 82.9 | 80.7 | 81.6 | 82.3 | 83.6 | 87.4 | 88.4 | 92.4 | 97.2 | 99.2 | 96.5 | 92.2 | | | |
| NFA 0. RPM | 125 | 78.0 | 78.4 | 81.2 | 81.2 | 82.1 | 83.4 | 85.0 | 87.6 | 89.0 | 92.9 | 98.4 | 99.0 | 95.5 | 90.4 | | | |
| (0. RAD/SEC) | 160 | 78.0 | 79.1 | 81.4 | 82.2 | 83.2 | 84.3 | 86.5 | 87.6 | 88.6 | 92.8 | 99.4 | 100.6 | 94.9 | 87.9 | | | |
| NFK 0. RPM | 200 | 77.0 | 79.7 | 80.3 | 81.8 | 82.2 | 84.5 | 85.5 | 87.3 | 89.2 | 92.6 | 97.0 | 97.7 | 93.4 | 85.5 | | | |
| (0. RAD/SEC) | 250 | 77.3 | 78.6 | 79.0 | 82.6 | 82.7 | 84.0 | 84.6 | 86.8 | 89.5 | 91.6 | 95.4 | 97.0 | 92.0 | 83.1 | | | |
| NFD 0. RPM | 315 | 76.4 | 78.3 | 80.3 | 80.5 | 81.2 | 82.5 | 83.9 | 86.4 | 88.6 | 90.3 | 93.3 | 94.9 | 89.5 | 81.5 | | | |
| (0. RAD/SEC) | 400 | 74.4 | 77.8 | 79.0 | 81.0 | 81.5 | 82.7 | 83.0 | 85.7 | 87.7 | 89.9 | 92.2 | 92.5 | 87.9 | 79.1 | | | |
| AIRFLOW RATIO | 500 | 72.2 | 76.2 | 77.2 | 79.6 | 80.3 | 82.2 | 82.9 | 85.1 | 86.7 | 88.4 | 90.5 | 90.3 | 85.1 | 76.4 | | | |
| WF/HM 8.00 | 630 | 70.1 | 74.4 | 76.3 | 78.2 | 79.1 | 81.1 | 82.0 | 84.8 | 86.6 | 87.6 | 88.7 | 88.8 | 83.2 | 74.8 | | | |
| | 800 | 67.3 | 72.8 | 75.2 | 77.5 | 79.0 | 80.4 | 81.0 | 83.3 | 84.9 | 85.9 | 86.6 | 86.9 | 81.4 | 71.7 | | | |
| VEHICLE JENOTS | 1000 | 65.2 | 71.3 | 73.4 | 76.2 | 78.0 | 79.7 | 79.8 | 82.8 | 83.5 | 84.4 | 85.1 | 84.5 | 78.9 | 69.8 | | | |
| CONFIG JE-955 | 1250 | 63.2 | 69.8 | 72.4 | 75.2 | 76.5 | 77.8 | 78.1 | 80.7 | 82.2 | 82.3 | 82.8 | 82.5 | 76.3 | 66.8 | | | |
| LOC EVENDALE | 1600 | 53.8 | 66.1 | 69.9 | 73.3 | 74.6 | 75.8 | 76.8 | 79.0 | 79.2 | 79.8 | 80.1 | 79.3 | 72.8 | 61.1 | | | |
| DATE 04-21-73 | 2000 | 54.2 | 62.4 | 66.5 | 70.5 | 72.3 | 73.1 | 74.7 | 76.4 | 76.7 | 77.0 | 77.0 | 76.7 | 68.7 | 55.1 | | | |
| RUN DBTF-MODEL 7 | 2500 | 48.2 | 57.4 | 62.8 | 66.3 | 68.4 | 69.2 | 70.6 | 72.4 | 73.1 | 72.0 | 72.2 | 70.8 | 62.4 | 47.1 | | | |
| TARE X70590 | 3150 | 39.4 | 51.6 | 56.2 | 60.9 | 63.0 | 64.6 | 66.0 | 67.0 | 67.2 | 66.6 | 65.2 | 63.6 | 54.4 | 35.4 | | | |
| FAN TIP SPEED | 4100 | 26.2 | 39.9 | 46.9 | 52.7 | 54.4 | 57.7 | 59.2 | 60.2 | 59.1 | 58.7 | 56.4 | 53.4 | 42.0 | 17.7 | | | |
| FT/SEC | 5000 | 18.2 | 33.3 | 41.5 | 47.3 | 48.8 | 51.6 | 53.0 | 54.4 | 54.1 | 52.2 | 49.1 | 46.3 | 33.4 | 7.3 | | | |
| | 6300 | | 17.8 | 27.6 | 35.1 | 37.0 | 41.2 | 43.1 | 43.9 | 42.0 | 40.9 | 38.0 | 31.9 | 15.4 | | | | |
| | 8000 | | | 8.1 | 17.4 | 20.8 | 24.6 | 28.7 | 30.2 | 26.8 | 25.7 | 21.4 | 10.8 | | | | | |
| OVERALL CALCULATED | 10000 | 86.4 | 88.6 | 90.7 | 91.7 | 92.5 | 93.9 | 95.1 | 97.4 | 99.1 | 101.9 | 106.4 | 108.1 | 105.0 | 98.2 | | | |
| PND8 | | 88.9 | 92.5 | 94.7 | 96.7 | 97.7 | 99.1 | 100.0 | 102.4 | 103.9 | 105.8 | 109.0 | 110.0 | 105.2 | 97.8 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0, PW | | |
|--------------------|------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------------|--|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | | | | | |
| REV | ALPHA 12/73 FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| | 50 | 91,9 | 90,7 | 96,8 | 92,4 | 92,9 | 93,5 | 96,3 | 97,8 | 100,1 | 105,6 | 106,3 | 114,0 | 116,2 | 113,1 | 166,1 | | | | |
| | NO EGA | 63 | 96,3 | 96,8 | 96,3 | 94,0 | 95,2 | 95,9 | 97,7 | 100,5 | 101,9 | 106,4 | 110,0 | 119,1 | 119,3 | 115,3 | 169,7 | | | |
| RDG, NO | 80 | 96,8 | 98,4 | 97,4 | 96,2 | 96,7 | 96,5 | 99,1 | 100,4 | 103,4 | 108,4 | 114,2 | 120,6 | 119,9 | 117,3 | 171,2 | | | | |
| RADIAL 320, FT. | 100 | 97,7 | 98,9 | 100,8 | 98,5 | 98,5 | 98,3 | 100,8 | 104,1 | 105,7 | 110,8 | 115,2 | 120,0 | 119,5 | 119,0 | 171,4 | | | | |
| (98, M) | 125 | 99,8 | 99,1 | 100,0 | 99,4 | 99,5 | 99,7 | 101,9 | 104,1 | 106,4 | 111,8 | 117,0 | 119,9 | 118,1 | 116,4 | 171,2 | | | | |
| VEHICLE | JENOTS | 160 | 100,7 | 100,4 | 100,9 | 100,5 | 100,5 | 100,7 | 103,4 | 104,9 | 106,7 | 112,1 | 118,1 | 122,5 | 118,4 | 115,4 | 172,6 | | | |
| CONFIG | JENOTS | 200 | 99,8 | 101,0 | 100,4 | 100,3 | 100,3 | 101,7 | 103,0 | 104,2 | 106,6 | 111,8 | 117,1 | 120,7 | 118,4 | 113,5 | 171,5 | | | |
| LOC | EVENDALE | 250 | 100,9 | 100,4 | 99,8 | 101,7 | 101,5 | 101,6 | 102,3 | 104,4 | 106,8 | 111,4 | 115,9 | 120,8 | 117,9 | 113,1 | 171,2 | | | |
| DATE | 04-15-75 | 315 | 99,1 | 100,1 | 100,3 | 99,8 | 99,4 | 99,7 | 101,5 | 104,5 | 106,8 | 110,6 | 113,3 | 118,7 | 114,5 | 109,5 | 169,1 | | | |
| RUN | DBT MODEL 7 | 400 | 97,9 | 99,5 | 99,1 | 99,3 | 98,9 | 99,7 | 100,6 | 103,5 | 105,9 | 110,0 | 112,8 | 116,5 | 112,7 | 107,5 | 167,6 | | | |
| TAPE | X70600 | 500 | 95,8 | 98,1 | 97,9 | 98,0 | 98,1 | 99,0 | 100,3 | 102,9 | 105,5 | 108,8 | 111,0 | 114,5 | 109,2 | 103,9 | 165,8 | | | |
| BAR | 29,9 HG | 630 | 93,9 | 96,2 | 96,6 | 97,8 | 98,0 | 98,3 | 100,0 | 102,7 | 105,8 | 108,2 | 110,4 | 113,6 | 107,9 | 102,3 | 165,2 | | | |
| (01039, N/M2) | 800 | 91,8 | 94,6 | 95,3 | 96,2 | 97,2 | 98,3 | 99,2 | 101,2 | 104,4 | 106,8 | 108,4 | 111,5 | 106,4 | 99,4 | 163,6 | | | | |
| TAMB | 59, DEG F | 1000 | 90,5 | 93,6 | 94,1 | 95,3 | 96,8 | 96,9 | 98,8 | 100,5 | 102,8 | 105,4 | 107,5 | 110,3 | 104,7 | 97,9 | 162,4 | | | |
| (288, DEG K) | 1250 | 89,3 | 91,8 | 92,8 | 94,6 | 95,3 | 95,5 | 97,3 | 99,9 | 102,0 | 103,7 | 106,0 | 108,6 | 102,8 | 96,4 | 161,1 | | | | |
| THET | 53, DEG F | 1600 | 87,3 | 90,1 | 91,5 | 92,7 | 93,6 | 94,1 | 96,4 | 98,7 | 100,2 | 102,3 | 104,2 | 106,6 | 100,6 | 94,5 | 159,5 | | | |
| (285, DEG K) | 2000 | 85,2 | 88,5 | 89,7 | 90,8 | 92,9 | 92,7 | 95,3 | 97,3 | 99,1 | 100,0 | 102,2 | 105,5 | 98,5 | 91,6 | 158,2 | | | | |
| HACT | 8,91 GM/M3 | 2500 | 82,8 | 86,6 | 87,6 | 89,4 | 90,6 | 90,8 | 92,7 | 95,5 | 97,6 | 98,3 | 100,3 | 103,5 | 95,8 | 89,1 | 156,6 | | | |
| (,00891 KG/M3) | 3150 | 80,9 | 84,9 | 85,9 | 87,2 | 88,0 | 88,0 | 90,6 | 92,4 | 95,2 | 96,7 | 98,4 | 101,6 | 94,4 | 89,1 | 155,0 | | | | |
| FREQ, SHIFT | 4000 | 77,6 | 81,7 | 82,2 | 84,2 | 84,5 | 85,5 | 87,1 | 90,3 | 91,2 | 93,4 | 97,0 | 99,1 | 92,4 | 86,8 | 153,3 | | | | |
| JET | 9 | 5000 | 75,6 | 79,1 | 80,3 | 81,9 | 81,9 | 82,2 | 83,7 | 86,4 | 88,5 | 89,5 | 94,2 | 96,9 | 90,6 | 88,1 | 151,1 | | | |
| DIAMETER RATIO | 6300 | 73,6 | 76,3 | 77,5 | 78,8 | 78,5 | 78,6 | 80,6 | 84,2 | 84,5 | 88,4 | 94,9 | 96,1 | 90,2 | 89,8 | 151,5 | | | | |
| DP/DM 8,001 | 8000 | 73,0 | 74,4 | 74,3 | 76,5 | 75,6 | 75,6 | 76,6 | 84,4 | 83,4 | 88,8 | 94,6 | 95,3 | 91,7 | 92,5 | 153,2 | | | | |
| | 10000 | 74,2 | 73,3 | 72,8 | 75,6 | 75,6 | 74,7 | 76,0 | 86,7 | 83,9 | 90,9 | 96,2 | 96,4 | 93,7 | 95,1 | 157,5 | | | | |
| OVERALL CALCULATED | | 109,3 | 110,1 | 110,4 | 110,3 | 110,5 | 110,9 | 112,7 | 114,9 | 117,2 | 121,3 | 125,6 | 130,2 | 128,1 | 125,2 | 181,1 | | | | |
| PND8 | | 114,9 | 116,3 | 116,7 | 117,2 | 117,8 | 118,0 | 120,0 | 122,5 | 124,5 | 127,6 | 131,2 | 135,2 | 131,5 | 127,5 | 182,4 | | | | |
| | | | | | | | | | | | | | | | | 1,3 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG, F, 70 PERCENT REL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0,0) | (0,0) | (0,0) |
| REV, ALPHA 12/73 | FREQ, | 50 | 63,1 | 69,1 | 76,8 | 73,3 | 74,7 | 75,7 | 78,7 | 80,0 | 81,8 | 86,6 | 86,2 | 92,4 | 92,4 | 85,8 | | |
| NO EGA | 63 | 72,4 | 75,2 | 76,2 | 75,0 | 77,0 | 78,0 | 80,0 | 82,6 | 83,7 | 87,5 | 89,9 | 97,5 | 95,4 | 87,9 | | | |
| SIDELINE 2400, FT, | 80 | 72,8 | 76,7 | 77,3 | 77,2 | 78,4 | 78,6 | 81,4 | 82,5 | 85,1 | 89,4 | 94,1 | 98,8 | 95,9 | 89,7 | | | |
| (731,52 M) | 100 | 73,5 | 77,1 | 80,6 | 79,4 | 80,1 | 80,3 | 83,0 | 86,1 | 87,4 | 91,6 | 95,0 | 98,2 | 95,3 | 91,2 | | | |
| NFA | 125 | 75,5 | 77,2 | 79,7 | 80,2 | 81,1 | 81,7 | 84,0 | 86,1 | 87,9 | 92,6 | 96,6 | 97,9 | 93,8 | 88,4 | | | |
| (0, RAD/SEC) | 160 | 76,2 | 78,3 | 80,4 | 81,2 | 81,9 | 82,6 | 85,4 | 86,8 | 88,1 | 92,8 | 97,6 | 100,4 | 93,9 | 87,1 | | | |
| NFK | 200 | 75,0 | 78,7 | 79,8 | 80,8 | 81,7 | 83,5 | 84,9 | 86,5 | 87,9 | 91,5 | 96,5 | 98,4 | 93,6 | 84,7 | | | |
| (0, RAD/SEC) | 250 | 75,7 | 77,8 | 79,0 | 82,1 | 82,7 | 83,2 | 84,1 | 86,0 | 87,9 | 91,8 | 95,1 | 98,2 | 92,7 | 83,8 | | | |
| NFD | 315 | 73,5 | 77,2 | 79,2 | 79,9 | 80,3 | 81,1 | 83,0 | 85,9 | 87,8 | 90,8 | 92,2 | 95,8 | 88,9 | 79,7 | | | |
| (0, RAD/SEC) | 400 | 71,8 | 76,2 | 77,7 | 79,1 | 79,6 | 80,8 | 81,9 | 84,6 | 86,6 | 89,8 | 91,3 | 93,2 | 86,6 | 76,8 | | | |
| AIRFLOW RATIO | 500 | 69,1 | 74,3 | 76,0 | 77,5 | 78,4 | 79,8 | 81,3 | 83,7 | 85,8 | 88,3 | 89,1 | 90,7 | 82,4 | 72,3 | | | |
| WF/HM 8,00 | 630 | 66,3 | 71,7 | 74,2 | 76,8 | 77,9 | 78,7 | 80,6 | 83,1 | 85,7 | 87,2 | 88,0 | 89,1 | 80,3 | 69,3 | | | |
| | 800 | 63,1 | 69,3 | 72,2 | 74,6 | 76,8 | 78,2 | 79,3 | 81,1 | 83,7 | 85,1 | 85,3 | 86,2 | 77,6 | 64,8 | | | |
| VEHICLE JENOTS | 1000 | 60,4 | 67,2 | 70,1 | 72,9 | 75,5 | 76,1 | 78,2 | 79,7 | 81,5 | 83,1 | 83,5 | 83,9 | 74,6 | 61,3 | | | |
| CONFIG JEM054 | 1250 | 57,5 | 64,1 | 67,8 | 71,3 | 73,1 | 73,9 | 76,0 | 78,3 | 79,8 | 80,5 | 81,0 | 80,9 | 71,0 | 57,2 | | | |
| LOC EVENDALE | 1600 | 53,1 | 60,6 | 64,9 | 68,1 | 70,2 | 71,4 | 73,9 | 76,0 | 76,8 | 77,7 | 77,6 | 77,1 | 66,3 | 51,6 | | | |
| DATE 04-15-75 | 2000 | 48,0 | 56,8 | 61,4 | 64,6 | 68,1 | 68,7 | 71,5 | 73,3 | 74,3 | 73,8 | 73,8 | 73,8 | 61,3 | 44,4 | | | |
| RUN DBTF-MODEL 7 | 2500 | 41,5 | 51,7 | 56,6 | 60,9 | 63,7 | 64,8 | 66,9 | 69,4 | 70,7 | 69,9 | 69,3 | 68,6 | 54,5 | 35,7 | | | |
| TAPE X70600 | 3150 | 32,9 | 44,8 | 50,7 | 55,1 | 57,7 | 58,8 | 61,7 | 63,2 | 64,9 | 64,5 | 63,2 | 61,5 | 46,4 | 25,6 | | | |
| FAN TIP SPEED | 4000 | 19,5 | 33,9 | 40,7 | 46,5 | 49,2 | 51,5 | 53,5 | 56,3 | 55,9 | 55,7 | 55,5 | 51,4 | 34,3 | 8,3 | | | |
| FT/SEC | 5000 | 11,6 | 26,9 | 35,1 | 41,0 | 43,7 | 45,5 | 47,4 | 49,6 | 50,2 | 48,6 | 49,2 | 44,7 | 26,6 | 0,7 | | | |
| | 6300 | | 11,0 | 21,5 | 28,3 | 31,7 | 33,9 | 36,3 | 39,4 | 37,7 | 38,1 | 38,9 | 30,8 | 9,0 | | | | |
| | 8000 | | | 1,7 | 11,8 | 15,6 | 18,2 | 20,1 | 27,0 | 23,4 | 24,0 | 22,0 | 9,9 | | | | | |
| | 10000 | | | | | | | 2,4 | 12,0 | 5,6 | 6,0 | 0,5 | | | | | | |
| OVERALL CALCULATED | | 84,2 | 87,4 | 89,5 | 90,3 | 91,2 | 92,1 | 94,0 | 96,1 | 97,9 | 101,5 | 104,8 | 107,8 | 103,6 | 97,1 | | | |
| PND8 | | 86,3 | 90,3 | 92,7 | 94,6 | 95,8 | 96,7 | 98,4 | 100,7 | 102,4 | 103,1 | 107,6 | 109,9 | 103,9 | 98,9 | | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PHL | |
|--------------------|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| REV | ALPHA 12/73 | FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) |
| NO EGA | 50 | 93.9 | 91.5 | 91.1 | 94.7 | 95.7 | 95.7 | 97.8 | 99.1 | 101.8 | 107.1 | 109.5 | 113.8 | 117.2 | 112.9 | | | | | 186.6 |
| RDG NO | 63 | 98.1 | 97.8 | 97.3 | 96.8 | 97.5 | 97.6 | 99.2 | 102.5 | 104.4 | 108.9 | 114.0 | 119.9 | 120.6 | 116.8 | | | | | 171.0 |
| RADIAL 320, FT. | 80 | 101.3 | 101.0 | 100.0 | 99.2 | 99.2 | 99.0 | 100.9 | 103.1 | 103.9 | 110.7 | 117.7 | 121.6 | 122.2 | 117.6 | | | | | 172.0 |
| (98, H) | 100 | 101.7 | 100.2 | 102.4 | 101.0 | 101.3 | 100.8 | 102.7 | 105.4 | 107.5 | 112.8 | 118.2 | 121.3 | 121.0 | 120.0 | | | | | 173.0 |
| VEHICLE JENOTS | 125 | 104.3 | 101.4 | 102.0 | 101.7 | 101.5 | 102.2 | 103.9 | 106.1 | 108.7 | 114.6 | 119.5 | 120.4 | 119.6 | 117.2 | | | | | 172.0 |
| CONFIG JE-053 | 160 | 103.5 | 103.2 | 102.6 | 102.3 | 103.2 | 103.0 | 104.7 | 106.7 | 108.7 | 113.9 | 120.6 | 122.3 | 119.2 | 116.2 | | | | | 173.5 |
| LOC EVENDALE | 200 | 101.8 | 102.3 | 102.0 | 102.3 | 102.1 | 103.5 | 105.1 | 106.5 | 109.1 | 113.0 | 118.6 | 119.8 | 118.4 | 115.3 | | | | | 171.0 |
| DATE 04-21-75 | 250 | 102.9 | 102.2 | 100.6 | 102.7 | 103.3 | 103.7 | 104.6 | 106.7 | 109.6 | 113.2 | 118.0 | 120.1 | 118.2 | 113.9 | | | | | 171.8 |
| RUN DBTF-MODEL 7 | 315 | 101.7 | 101.4 | 101.1 | 100.6 | 101.2 | 102.8 | 104.3 | 106.5 | 110.2 | 112.7 | 116.4 | 119.1 | 116.3 | 112.6 | | | | | 170.7 |
| TAPE X70708 | 400 | 101.0 | 100.9 | 100.5 | 100.9 | 101.0 | 102.8 | 103.5 | 106.3 | 109.5 | 112.6 | 116.1 | 118.3 | 114.8 | 110.6 | | | | | 170.1 |
| BAR 29.9 HG | 500 | 98.2 | 101.0 | 99.5 | 99.9 | 101.0 | 101.9 | 103.4 | 106.3 | 109.9 | 112.0 | 114.9 | 116.1 | 112.4 | 108.6 | | | | | 168.8 |
| (1039, N/M2) | 630 | 98.4 | 101.0 | 100.5 | 100.8 | 100.9 | 101.2 | 103.4 | 106.4 | 109.9 | 111.6 | 114.3 | 115.5 | 111.6 | 108.0 | | | | | 168.4 |
| FANS 59, DEG F | 800 | 97.0 | 100.9 | 100.6 | 101.4 | 101.4 | 102.0 | 103.5 | 105.9 | 108.9 | 110.7 | 113.4 | 114.2 | 110.9 | 106.6 | | | | | 167.7 |
| (288, DEG K) | 1000 | 95.8 | 99.9 | 100.4 | 101.6 | 102.4 | 103.2 | 104.3 | 107.8 | 108.6 | 110.0 | 113.0 | 113.3 | 110.2 | 106.0 | | | | | 167.4 |
| THRT 53, DEG F | 1250 | 95.5 | 99.4 | 99.9 | 101.5 | 102.4 | 102.8 | 105.2 | 108.2 | 107.8 | 109.1 | 111.8 | 111.9 | 109.6 | 103.7 | | | | | 166.9 |
| (285, DEG K) | 1600 | 94.0 | 98.8 | 98.9 | 100.6 | 101.8 | 102.5 | 104.6 | 106.7 | 106.3 | 108.2 | 110.8 | 111.3 | 108.7 | 104.4 | | | | | 166.1 |
| HAST 8.91 G4/M3 | 2000 | 92.3 | 97.4 | 98.9 | 99.7 | 101.4 | 101.4 | 103.2 | 105.0 | 105.8 | 106.9 | 110.1 | 110.1 | 107.6 | 103.0 | | | | | 165.2 |
| (1089, KG/M3) | 2500 | 89.8 | 93.6 | 97.0 | 98.6 | 99.8 | 100.0 | 101.4 | 103.7 | 104.3 | 105.5 | 107.4 | 108.4 | 105.5 | 101.0 | | | | | 163.7 |
| FREQ SHIFT | 3150 | 87.7 | 93.9 | 95.4 | 97.3 | 98.0 | 98.8 | 100.2 | 102.2 | 102.2 | 103.8 | 105.7 | 106.4 | 104.5 | 99.4 | | | | | 162.5 |
| JET - - 9 | 4000 | 85.1 | 91.6 | 92.7 | 94.6 | 94.4 | 96.7 | 98.3 | 100.0 | 99.4 | 101.3 | 103.5 | 104.9 | 102.4 | 97.1 | | | | | 161.0 |
| DIAMETER RATIO | 5000 | 83.7 | 88.9 | 90.7 | 92.7 | 92.6 | 94.1 | 94.8 | 97.2 | 97.6 | 98.6 | 101.1 | 102.0 | 100.2 | 95.9 | | | | | 159.9 |
| DF/DH 8.100 | 6300 | 80.7 | 86.1 | 87.9 | 89.9 | 89.1 | 91.4 | 92.9 | 95.1 | 94.8 | 97.2 | 98.2 | 99.7 | 98.6 | 93.9 | | | | | 157.9 |
| OVERALL CALCULATED | 8000 | 77.9 | 83.6 | 84.7 | 86.7 | 86.0 | 88.7 | 90.0 | 92.8 | 92.7 | 96.6 | 97.7 | 98.4 | 97.1 | 93.9 | | | | | 158.3 |
| PNDP | 10000 | 76.9 | 78.5 | 81.3 | 83.1 | 82.6 | 87.5 | 88.3 | 91.7 | 90.4 | 97.1 | 98.2 | 98.9 | 97.9 | 95.4 | | | | | 161.0 |
| | | 112.6 | 113.1 | 113.1 | 113.5 | 114.0 | 114.7 | 116.3 | 118.7 | 120.8 | 124.1 | 128.7 | 130.8 | 129.7 | 126.4 | | | | | 163.0 |
| | | 118.7 | 121.8 | 122.5 | 123.6 | 124.3 | 125.0 | 126.5 | 128.9 | 130.0 | 132.3 | 135.4 | 136.7 | 134.6 | 130.9 | | | | | 164.3 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| | | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 170' | 180' | 190' | 200' |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| REV. ALPHA 12/73 | FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) |
| NO-EGA | 58 | 70.1 | 69.9 | 74.0 | 75.7 | 77.4 | 77.9 | 80.2 | 81.3 | 83.6 | 88.1 | 89.5 | 92.2 | 93.4 | 85.6 | | | | |
| SIDELINE 2400, FT | 63 | 74.1 | 75.2 | 77.2 | 77.8 | 79.2 | 79.8 | 81.5 | 84.6 | 86.2 | 90.0 | 93.9 | 98.2 | 96.6 | 89.4 | | | | |
| (731.52 M) | 80 | 77.3 | 79.2 | 79.8 | 80.2 | 80.9 | 81.1 | 83.1 | 85.2 | 87.6 | 91.7 | 97.6 | 99.8 | 98.1 | 90.0 | | | | |
| NFA | 100 | 77.5 | 78.3 | 82.2 | 81.9 | 82.9 | 82.8 | 84.9 | 87.4 | 89.2 | 93.7 | 98.0 | 99.4 | 96.8 | 92.2 | | | | |
| 0, RPM | 125 | 80.0 | 79.4 | 81.7 | 82.5 | 83.1 | 84.2 | 86.0 | 88.1 | 90.2 | 95.4 | 99.2 | 98.5 | 95.3 | 89.2 | | | | |
| 0, RAD/SEC | 160 | 79.0 | 81.1 | 82.2 | 83.0 | 84.7 | 84.8 | 86.7 | 88.6 | 90.1 | 94.6 | 100.1 | 100.1 | 94.6 | 87.9 | | | | |
| NFK | 200 | 77.0 | 79.9 | 81.3 | 82.8 | 83.4 | 85.3 | 87.0 | 88.3 | 90.5 | 93.6 | 98.0 | 97.4 | 93.6 | 86.5 | | | | |
| 0, RAD/SEC | 250 | 77.0 | 79.6 | 79.8 | 83.1 | 84.5 | 85.3 | 86.4 | 88.3 | 90.7 | 93.6 | 97.2 | 97.5 | 93.0 | 84.6 | | | | |
| NPD | 315 | 76.1 | 78.5 | 80.0 | 80.7 | 82.2 | 84.2 | 85.9 | 87.9 | 91.1 | 92.8 | 95.3 | 96.2 | 90.7 | 82.8 | | | | |
| 0, RAD/SEC | 400 | 74.9 | 77.5 | 79.0 | 80.7 | 81.7 | 83.9 | 84.8 | 87.5 | 90.2 | 92.4 | 94.7 | 95.0 | 88.7 | 79.9 | | | | |
| AIRFLOW RATIO | 500 | 71.7 | 72.2 | 77.7 | 79.4 | 81.3 | 82.7 | 84.4 | 87.1 | 90.2 | 91.4 | 93.0 | 92.3 | 85.6 | 77.2 | | | | |
| WF/NM 8.00 | 600 | 70.7 | 72.4 | 78.1 | 79.0 | 80.9 | 81.6 | 84.0 | 86.8 | 89.9 | 90.6 | 91.9 | 91.0 | 84.0 | 75.0 | | | | |
| VEHICLE -- JENOTS | 800 | 88.3 | 75.5 | 77.5 | 79.8 | 80.8 | 81.9 | 83.5 | 86.8 | 88.2 | 89.1 | 90.3 | 88.9 | 82.1 | 72.0 | | | | |
| CONFIG JE-055 | 1000 | 85.7 | 73.9 | 76.4 | 79.2 | 81.0 | 82.4 | 83.8 | 87.0 | 87.3 | 87.6 | 89.1 | 87.0 | 80.1 | 69.3 | | | | |
| LOG EVENDALE | 1250 | 83.7 | 71.8 | 74.9 | 78.2 | 80.3 | 81.3 | 83.9 | 86.7 | 85.7 | 85.8 | 86.8 | 84.3 | 77.8 | 66.5 | | | | |
| DATE 04-21-75 | 1600 | 59.8 | 69.3 | 73.4 | 76.0 | 78.4 | 79.8 | 82.1 | 84.0 | 83.0 | 83.6 | 84.3 | 81.7 | 74.5 | 61.6 | | | | |
| RUN DBTF-MODE -7 | 2000 | 55.2 | 65.7 | 70.5 | 73.5 | 76.5 | 77.3 | 79.4 | 80.9 | 81.0 | 80.7 | 81.7 | 78.4 | 70.5 | 55.8 | | | | |
| TARE X70706 | 2500 | 48.4 | 60.7 | 66.0 | 70.1 | 72.9 | 74.0 | 75.6 | 77.6 | 77.4 | 77.0 | 76.5 | 73.5 | 64.2 | 47.6 | | | | |
| PAN-TIP SPEED | 3150 | 49.7 | 53.9 | 60.2 | 65.1 | 67.8 | 69.6 | 71.3 | 73.0 | 71.9 | 71.6 | 70.5 | 66.3 | 56.4 | 35.9 | | | | |
| FT/SEC | 4000 | 26.9 | 43.9 | 51.1 | 56.9 | 59.1 | 62.7 | 64.7 | 66.0 | 64.1 | 63.7 | 61.9 | 57.1 | 44.3 | 18.9 | | | | |
| | 5000 | 29.7 | 36.8 | 45.5 | 51.8 | 54.3 | 57.3 | 58.5 | 60.4 | 59.4 | 57.7 | 55.8 | 49.8 | 36.2 | 8.6 | | | | |
| | 6300 | | 20.8 | 31.8 | 39.6 | 42.3 | 46.3 | 48.6 | 50.2 | 48.0 | 46.9 | 42.2 | 34.4 | 17.4 | | | | | |
| | 8000 | | | 12.1 | 21.9 | 26.0 | 31.4 | 33.4 | 35.4 | 32.8 | 31.9 | 25.1 | 13.0 | | | | | | |
| OVERALL CALCULATED | 10000 | | | | | 4.3 | 12.7 | 14.7 | 17.0 | 12.1 | 12.3 | 2.5 | | | | | | | |
| PND8 | | 87.4 | 89.7 | 92.3 | 92.7 | 94.0 | 95.1 | 96.8 | 99.1 | 102.0 | 103.9 | 107.6 | 108.3 | 105.0 | 98.1 | | | | |
| | | 89.3 | 93.6 | 95.9 | 98.2 | 100.4 | 101.5 | 103.4 | 105.6 | 108.6 | 108.5 | 110.9 | 110.7 | 105.7 | 98.0 | | | | |

1040

7702

PAGE 1 - FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL HUM, DAY - JENOTS)
 PROC DATE - MONTH 4 DAY 29 HR: 20:2

| REV. | ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | PWL |
|------|-------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | |
| | | | 87.9 | 85.7 | 86.8 | 87.9 | 89.2 | 89.0 | 91.3 | 92.8 | 95.3 | 98.3 | 101.3 | 107.5 | 110.7 | 108.6 | 109.8 | 109.8 | 109.8 | 109.8 | 160.4 |
| | | | 92.8 | 91.3 | 91.1 | 89.8 | 91.2 | 91.1 | 93.0 | 95.7 | 97.2 | 99.7 | 105.0 | 112.4 | 114.3 | 109.8 | 109.8 | 109.8 | 109.8 | 109.8 | 163.9 |
| | | | 94.1 | 93.0 | 93.0 | 91.7 | 92.2 | 92.0 | 94.4 | 96.4 | 98.4 | 101.5 | 108.5 | 114.1 | 115.7 | 111.6 | 111.6 | 111.6 | 111.6 | 111.6 | 165.6 |
| | | | 94.2 | 93.4 | 94.6 | 93.0 | 93.5 | 93.5 | 95.2 | 98.6 | 99.8 | 103.3 | 108.0 | 111.3 | 113.2 | 115.7 | 115.7 | 115.7 | 115.7 | 115.7 | 165.0 |
| | | | 95.3 | 93.4 | 94.8 | 93.4 | 93.5 | 94.7 | 96.7 | 99.1 | 101.2 | 105.4 | 108.7 | 110.4 | 112.6 | 110.7 | 110.7 | 110.7 | 110.7 | 110.7 | 163.9 |
| | | | 94.0 | 93.7 | 94.4 | 94.1 | 94.5 | 95.5 | 97.9 | 99.0 | 100.9 | 105.2 | 109.9 | 111.8 | 111.4 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 164.1 |
| | | | 93.3 | 93.5 | 93.7 | 94.0 | 94.6 | 96.0 | 97.3 | 99.8 | 101.4 | 104.5 | 108.1 | 108.3 | 107.9 | 107.8 | 107.8 | 107.8 | 107.8 | 107.8 | 162.4 |
| | | | 93.7 | 93.4 | 92.6 | 95.2 | 95.5 | 96.4 | 97.4 | 99.4 | 101.8 | 105.2 | 108.0 | 109.1 | 110.2 | 107.1 | 107.1 | 107.1 | 107.1 | 107.1 | 162.7 |
| | | | 93.7 | 93.4 | 93.4 | 93.3 | 93.7 | 95.3 | 96.8 | 99.5 | 101.7 | 104.5 | 107.1 | 108.6 | 108.3 | 105.6 | 105.6 | 105.6 | 105.6 | 105.6 | 161.8 |
| | | | 93.3 | 93.6 | 93.0 | 93.4 | 94.3 | 95.5 | 96.5 | 99.3 | 101.3 | 104.6 | 106.6 | 107.8 | 108.0 | 105.1 | 105.1 | 105.1 | 105.1 | 105.1 | 161.5 |
| | | | 91.7 | 92.8 | 92.0 | 92.9 | 94.0 | 94.9 | 96.4 | 99.0 | 101.6 | 103.2 | 105.6 | 106.6 | 106.4 | 104.3 | 104.3 | 104.3 | 104.3 | 104.3 | 160.5 |
| | | | 91.9 | 93.4 | 92.7 | 92.7 | 93.4 | 94.7 | 96.6 | 99.4 | 101.7 | 103.6 | 106.1 | 107.0 | 106.4 | 103.5 | 103.5 | 103.5 | 103.5 | 103.5 | 160.8 |
| | | | 94.3 | 97.4 | 94.6 | 93.9 | 93.9 | 95.5 | 96.7 | 99.4 | 101.4 | 102.7 | 104.9 | 106.5 | 106.1 | 102.9 | 102.9 | 102.9 | 102.9 | 102.9 | 160.5 |
| | | | 94.6 | 98.4 | 96.6 | 95.3 | 95.1 | 95.9 | 97.3 | 100.5 | 101.3 | 101.7 | 103.5 | 105.6 | 105.7 | 103.5 | 103.5 | 103.5 | 103.5 | 103.5 | 160.3 |
| | | | 95.5 | 98.9 | 97.9 | 96.0 | 97.2 | 97.1 | 97.7 | 101.1 | 101.1 | 101.1 | 103.1 | 104.9 | 105.4 | 103.2 | 103.2 | 103.2 | 103.2 | 103.2 | 160.5 |
| | | | 93.8 | 97.8 | 98.7 | 98.6 | 98.5 | 97.5 | 98.1 | 100.9 | 100.3 | 100.4 | 102.1 | 104.5 | 104.2 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 160.2 |
| | | | 91.6 | 95.4 | 96.6 | 97.4 | 98.6 | 97.9 | 97.7 | 100.0 | 99.8 | 99.4 | 100.8 | 103.1 | 103.1 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 159.4 |
| | | | 89.0 | 93.1 | 94.3 | 95.6 | 96.3 | 97.0 | 96.9 | 97.7 | 98.3 | 97.5 | 99.4 | 100.7 | 102.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 158.0 |
| | | | 87.2 | 91.2 | 91.7 | 93.8 | 94.3 | 95.0 | 95.2 | 96.5 | 96.2 | 96.5 | 97.0 | 96.9 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 156.6 |
| | | | 83.8 | 88.1 | 88.9 | 90.4 | 90.4 | 92.3 | 92.8 | 94.7 | 93.6 | 94.6 | 95.0 | 96.4 | 97.7 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 154.9 |
| | | | 82.0 | 85.4 | 87.2 | 89.0 | 88.3 | 89.3 | 89.8 | 91.5 | 91.8 | 91.6 | 92.1 | 94.0 | 94.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 152.8 |
| | | | 78.9 | 82.9 | 84.1 | 85.9 | 84.8 | 86.6 | 87.1 | 88.8 | 88.6 | 89.7 | 89.0 | 91.7 | 93.3 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 151.5 |
| | | | 76.4 | 79.6 | 81.2 | 82.7 | 82.0 | 83.5 | 83.5 | 86.0 | 85.5 | 88.4 | 87.3 | 89.4 | 91.6 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 151.0 |
| | | | 74.9 | 76.8 | 77.3 | 79.1 | 78.6 | 80.5 | 80.8 | 83.2 | 82.1 | 84.4 | 86.9 | 89.2 | 89.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 152.4 |
| | | | 106.1 | 107.6 | 107.5 | 107.6 | 107.9 | 108.4 | 109.5 | 112.0 | 113.3 | 115.6 | 118.9 | 121.6 | 122.8 | 120.9 | 120.9 | 120.9 | 120.9 | 120.9 | 176.2 |
| | | | 115.2 | 118.0 | 118.4 | 119.1 | 119.6 | 120.3 | 120.8 | 122.7 | 123.3 | 124.2 | 126.3 | 128.2 | 129.0 | 126.7 | 126.7 | 126.7 | 126.7 | 126.7 | 176.2 |

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770

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F, 70 PERCENT RBL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) |
| REV. ALPHA 12773 | FREQ. | 50 | 64.1 | 64.1 | 66.8 | 69.0 | 70.9 | 71.2 | 73.7 | 75.0 | 77.1 | 79.4 | 81.2 | 85.9 | 86.9 | 81.8 | | | |
| NO EGA | | 53 | 63.9 | 69.7 | 71.0 | 70.8 | 73.0 | 73.3 | 75.3 | 77.9 | 78.9 | 80.7 | 84.9 | 90.7 | 90.4 | 81.9 | | | |
| SIDELINE 2400 FT | | 90 | 70.0 | 71.2 | 72.8 | 72.7 | 73.9 | 74.1 | 76.6 | 78.8 | 80.1 | 82.4 | 88.3 | 92.3 | 91.6 | 84.0 | | | |
| (731.52 M) | | 130 | 70.0 | 71.6 | 74.4 | 73.9 | 75.1 | 75.6 | 77.4 | 80.7 | 81.4 | 84.2 | 87.7 | 89.4 | 89.0 | 87.9 | | | |
| NFA | 0. RPM | 125 | 71.0 | 71.4 | 74.5 | 74.2 | 75.1 | 76.7 | 78.8 | 81.1 | 82.7 | 86.2 | 88.4 | 88.5 | 88.3 | 82.7 | | | |
| (0. RAD/SEC) | | 150 | 69.5 | 71.6 | 73.9 | 74.7 | 75.9 | 77.3 | 80.0 | 83.8 | 82.4 | 85.8 | 89.4 | 89.6 | 86.9 | 80.9 | | | |
| NFK | 0. RPM | 200 | 68.5 | 71.2 | 73.1 | 74.6 | 75.9 | 77.8 | 79.2 | 81.5 | 82.7 | 85.1 | 87.5 | 85.9 | 85.1 | 79.0 | | | |
| (0. RAD/SEC) | | 250 | 68.5 | 70.8 | 71.8 | 75.6 | 76.7 | 78.0 | 79.1 | 81.0 | 83.0 | 85.6 | 87.2 | 86.5 | 85.0 | 77.9 | | | |
| NFD | 0. RPM | 315 | 68.1 | 73.5 | 72.3 | 73.5 | 74.7 | 76.7 | 78.4 | 83.9 | 82.6 | 84.6 | 86.0 | 85.7 | 82.7 | 75.8 | | | |
| (0. RAD/SEC) | | 400 | 67.1 | 70.3 | 71.5 | 73.2 | 75.0 | 76.7 | 77.8 | 80.5 | 81.9 | 84.4 | 85.2 | 84.5 | 81.9 | 74.4 | | | |
| AIRFLOW RATIO | | 500 | 65.0 | 68.9 | 70.2 | 72.4 | 74.3 | 75.7 | 77.4 | 79.8 | 82.0 | 82.7 | 83.8 | 82.8 | 79.6 | 72.7 | | | |
| WF/WM 8.00 | | 630 | 64.2 | 68.9 | 70.3 | 71.7 | 73.3 | 75.1 | 77.2 | 79.8 | 81.6 | 82.6 | 83.7 | 82.5 | 78.7 | 70.5 | | | |
| | | 800 | 65.5 | 72.0 | 71.5 | 72.3 | 73.3 | 75.4 | 76.8 | 79.3 | 80.7 | 81.1 | 81.8 | 81.2 | 77.4 | 68.2 | | | |
| VEHICLE JENOTS | | 1000 | 64.5 | 72.0 | 72.7 | 73.0 | 73.8 | 75.2 | 76.8 | 79.8 | 80.0 | 79.4 | 79.6 | 79.2 | 75.6 | 66.8 | | | |
| CONFIG JENOTS | | 1250 | 63.7 | 71.3 | 72.2 | 74.7 | 75.0 | 75.5 | 76.4 | 79.7 | 78.9 | 77.8 | 78.1 | 77.3 | 73.6 | 64.0 | | | |
| LCC EVENDALE | | 1600 | 59.5 | 68.3 | 72.1 | 74.0 | 75.1 | 74.8 | 75.6 | 78.2 | 77.0 | 75.8 | 75.6 | 75.1 | 70.0 | 59.8 | | | |
| DATE 04-21-75 | | 2000 | 54.5 | 63.7 | 68.3 | 71.2 | 73.8 | 73.8 | 73.9 | 75.9 | 74.9 | 73.2 | 72.5 | 71.4 | 66.0 | 54.3 | | | |
| RUN DBT-MODEL 7 | | 2500 | 47.7 | 58.2 | 63.3 | 67.1 | 69.4 | 71.0 | 71.4 | 71.6 | 71.4 | 69.0 | 68.5 | 65.8 | 60.7 | 46.1 | | | |
| TAPE X7J710 | | 3150 | 39.2 | 51.1 | 56.5 | 61.6 | 64.0 | 65.8 | 66.3 | 67.2 | 65.9 | 64.3 | 61.7 | 58.8 | 51.7 | 34.2 | | | |
| FAN TIP SPEED | | 4000 | 25.7 | 40.4 | 47.4 | 52.7 | 55.1 | 58.5 | 59.2 | 60.7 | 58.3 | 56.9 | 53.4 | 48.6 | 39.5 | 15.7 | | | |
| FT/SEC | | 5000 | 18.0 | 33.3 | 42.0 | 48.1 | 50.1 | 52.6 | 53.5 | 54.7 | 53.6 | 50.7 | 46.0 | 41.8 | 30.9 | 5.3 | | | |
| | | 6300 | | 17.6 | 28.1 | 35.6 | 38.0 | 41.7 | 42.9 | 43.9 | 41.8 | 39.4 | 33.0 | 26.4 | 12.1 | | | | |
| | | 8000 | | | 8.6 | 17.9 | 22.0 | 26.1 | 26.9 | 28.7 | 25.5 | 23.7 | 14.9 | 4.0 | | | | | |
| | | 10000 | | | | | 0.3 | 5.7 | 7.2 | 8.5 | 3.8 | 4.5 | | | | | | | |
| OVERALL CALCULATED | | | 79.7 | 82.7 | 84.5 | 85.7 | 87.0 | 88.2 | 89.8 | 92.1 | 93.3 | 95.3 | 97.7 | 99.0 | 98.0 | 92.3 | | | |
| FNDB | | | 82.7 | 88.5 | 91.4 | 93.4 | 95.1 | 96.0 | 96.9 | 99.1 | 99.2 | 100.2 | 101.3 | 101.1 | 98.8 | 92.9 | | | |

Answer

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY 2, JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | PWL |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | |
| REV, ALPHA 12/73 | FREQ | (0.52) | (0.60) | (0.67) | (0.75) | (0.82) | (0.90) | (0.97) | (1.05) | (1.12) | (1.20) | (1.27) | (1.35) | (1.42) | (1.50) | (1.57) | (1.65) | (1.72) | (1.80) | |
| REQ, NO. BGA | 50 | 84.2 | 82.0 | 83.1 | 84.4 | 85.4 | 86.0 | 87.6 | 89.1 | 91.1 | 94.6 | 97.5 | 103.8 | 106.5 | 105.9 | 103.9 | 103.7 | 103.8 | 103.9 | 156.7 |
| REQ, NO. 0 | 63 | 88.1 | 87.1 | 87.3 | 86.3 | 87.0 | 87.4 | 89.2 | 91.2 | 93.4 | 94.4 | 98.0 | 103.6 | 107.3 | 105.8 | 103.8 | 103.7 | 103.8 | 103.9 | 157.6 |
| RADIAL 320, FY | 80 | 89.1 | 87.7 | 88.5 | 87.2 | 88.0 | 88.3 | 90.6 | 92.6 | 94.4 | 96.2 | 101.5 | 106.3 | 108.2 | 110.1 | 109.1 | 108.2 | 108.3 | 108.4 | 159.5 |
| (98, M) | 100 | 87.5 | 87.2 | 89.6 | 88.5 | 89.0 | 89.0 | 90.6 | 92.6 | 94.4 | 96.2 | 101.5 | 106.3 | 108.2 | 110.1 | 109.1 | 108.2 | 108.3 | 108.4 | 160.8 |
| VEHICLE JENOTS | 125 | 88.3 | 87.4 | 91.3 | 89.2 | 89.3 | 90.9 | 92.7 | 94.9 | 96.2 | 99.4 | 103.0 | 103.7 | 103.9 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 157.7 |
| CONFIG JENOTS | 150 | 88.5 | 88.5 | 89.6 | 89.6 | 90.2 | 91.5 | 93.4 | 95.2 | 96.7 | 99.2 | 103.9 | 103.8 | 103.2 | 102.0 | 102.0 | 102.0 | 102.0 | 102.0 | 157.4 |
| LOC EVENDALE | 200 | 87.8 | 89.5 | 89.2 | 89.8 | 90.6 | 92.0 | 93.8 | 95.8 | 96.6 | 99.3 | 102.4 | 102.3 | 101.4 | 100.4 | 100.4 | 100.4 | 100.4 | 100.4 | 156.4 |
| DATE 04-21-75 | 250 | 89.2 | 88.9 | 87.9 | 91.3 | 91.0 | 92.2 | 93.1 | 95.2 | 97.1 | 99.5 | 102.0 | 102.6 | 101.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 156.4 |
| RUN DBTF-MODEL 7 | 315 | 87.9 | 88.7 | 89.4 | 89.1 | 90.0 | 91.1 | 92.8 | 95.0 | 97.2 | 99.7 | 101.9 | 102.1 | 101.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 156.2 |
| TAPE X70740 | 400 | 87.8 | 89.1 | 89.2 | 90.7 | 90.8 | 91.8 | 92.5 | 95.1 | 97.0 | 99.6 | 101.1 | 101.3 | 101.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 156.0 |
| BAR 29.9 HG | 500 | 86.5 | 88.8 | 89.0 | 90.1 | 90.7 | 92.1 | 92.9 | 95.5 | 96.6 | 99.0 | 100.6 | 102.6 | 100.6 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 155.9 |
| 101039, NYM2 | 630 | 87.9 | 89.1 | 88.7 | 89.7 | 90.4 | 91.4 | 93.4 | 95.9 | 97.9 | 98.8 | 100.6 | 102.5 | 101.6 | 102.1 | 102.1 | 102.1 | 102.1 | 102.1 | 156.6 |
| TAMB 59, DEG F | 800 | 88.0 | 89.6 | 89.3 | 90.4 | 90.9 | 92.3 | 93.2 | 95.7 | 97.3 | 98.5 | 99.2 | 101.2 | 102.6 | 103.4 | 103.4 | 103.4 | 103.4 | 103.4 | 156.4 |
| (288, DEG K) | 1000 | 88.3 | 90.4 | 90.1 | 91.3 | 91.9 | 92.7 | 93.1 | 95.3 | 97.6 | 97.7 | 98.5 | 99.8 | 102.2 | 104.8 | 104.8 | 104.8 | 104.8 | 104.8 | 156.4 |
| THET 53, DEG F | 1250 | 89.7 | 92.4 | 91.7 | 92.2 | 92.2 | 92.8 | 93.7 | 96.5 | 98.1 | 96.9 | 97.6 | 98.7 | 101.0 | 104.0 | 104.0 | 104.0 | 104.0 | 104.0 | 156.3 |
| (285, DEG K) | 1600 | 89.8 | 93.3 | 92.7 | 92.4 | 92.5 | 92.8 | 93.8 | 96.2 | 97.1 | 96.2 | 97.1 | 97.8 | 101.0 | 102.4 | 102.4 | 102.4 | 102.4 | 102.4 | 155.9 |
| HACT 8.91 GM/M3 | 2000 | 88.8 | 91.9 | 92.4 | 92.9 | 93.6 | 92.9 | 93.0 | 95.5 | 96.0 | 94.9 | 96.1 | 97.1 | 99.4 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 155.2 |
| (.00891 KG/M3) | 2500 | 87.0 | 90.6 | 91.0 | 92.3 | 92.3 | 91.8 | 91.9 | 93.7 | 94.5 | 93.3 | 94.4 | 95.4 | 99.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 154.0 |
| FREQ SHIFT | 3150 | 84.7 | 88.9 | 89.7 | 91.0 | 89.8 | 91.0 | 91.2 | 92.2 | 92.7 | 91.8 | 92.5 | 93.4 | 96.5 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 152.9 |
| JET 9 | 4000 | 81.6 | 85.4 | 86.4 | 87.6 | 87.2 | 88.7 | 89.3 | 90.0 | 89.9 | 89.3 | 90.5 | 90.9 | 94.8 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 151.1 |
| DIAMETER RATIO | 5000 | 79.6 | 81.7 | 83.7 | 85.6 | 84.8 | 85.8 | 86.3 | 87.0 | 87.3 | 86.2 | 87.6 | 87.7 | 91.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 148.9 |
| DF/DH 0.00 | 6300 | 75.2 | 78.6 | 80.4 | 81.7 | 80.6 | 82.6 | 83.4 | 84.6 | 83.8 | 84.2 | 85.5 | 86.0 | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 147.4 |
| OVERALL CALCULATED | 8000 | 71.4 | 74.6 | 76.7 | 77.9 | 77.0 | 78.7 | 79.5 | 81.8 | 81.2 | 82.1 | 84.2 | 84.9 | 88.1 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 147.0 |
| PNDP | 10000 | 68.2 | 70.0 | 71.6 | 73.4 | 72.6 | 77.5 | 77.3 | 79.5 | 78.4 | 81.9 | 85.9 | 85.9 | 87.7 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 149.1 |
| | | 100.9 | 102.5 | 102.8 | 103.5 | 103.7 | 106.4 | 105.9 | 107.8 | 109.1 | 110.0 | 113.1 | 113.0 | 116.0 | 117.0 | 117.0 | 117.0 | 117.0 | 117.0 | 169.6 |
| | | 111.3 | 113.9 | 114.4 | 115.4 | 115.4 | 118.9 | 118.5 | 121.4 | 122.4 | 123.5 | 125.2 | 125.2 | 128.0 | 128.0 | 128.0 | 128.0 | 128.0 | 128.0 | 170.9 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ. | 50 | 60.3 | 60.4 | 63.0 | 65.5 | 67.2 | 68.2 | 69.9 | 72.0 | 72.8 | 75.6 | 77.5 | 82.2 | 82.6 | 78.6 | | |
| NO BGA | 63 | 64.1 | 65.4 | 67.2 | 67.3 | 68.7 | 69.5 | 71.5 | 73.4 | 75.2 | 75.5 | 77.9 | 84.0 | 83.4 | 78.4 | | | |
| SIDELINE 2400' FT | 80 | 65.0 | 66.0 | 68.3 | 68.2 | 69.7 | 70.4 | 72.9 | 74.7 | 76.1 | 77.2 | 81.3 | 84.6 | 84.1 | 82.5 | | | |
| (731.52 M) | 100 | 63.3 | 65.3 | 69.4 | 69.4 | 70.6 | 71.1 | 72.6 | 76.2 | 76.7 | 78.7 | 81.0 | 81.7 | 79.3 | 81.4 | | | |
| NFA | 0. RPM | 125 | 64.0 | 65.4 | 71.0 | 70.0 | 70.8 | 72.9 | 74.8 | 76.8 | 77.7 | 80.2 | 82.7 | 81.7 | 79.5 | 78.2 | | |
| (0. RAD/SEC) | 160 | 64.0 | 66.3 | 69.2 | 70.2 | 71.7 | 73.3 | 75.5 | 77.1 | 78.1 | 79.8 | 83.4 | 81.6 | 79.6 | 73.6 | | | |
| NFK | 0. RPM | 200 | 63.0 | 67.2 | 68.6 | 70.3 | 71.9 | 73.8 | 75.7 | 77.5 | 78.0 | 79.8 | 81.8 | 79.9 | 76.6 | 71.8 | | |
| (0. RAD/SEC) | 250 | 64.0 | 66.3 | 67.0 | 71.9 | 72.2 | 73.8 | 74.9 | 76.8 | 78.2 | 79.8 | 81.2 | 80.0 | 76.0 | 70.4 | | | |
| NFD | 0. RPM | 315 | 62.4 | 65.6 | 68.3 | 69.2 | 70.9 | 72.5 | 74.4 | 76.4 | 78.1 | 79.8 | 80.8 | 79.2 | 75.7 | 69.5 | | |
| (0. RAD/SEC) | 400 | 61.6 | 65.6 | 67.8 | 70.5 | 71.5 | 72.9 | 73.8 | 76.2 | 77.7 | 79.4 | 79.7 | 78.0 | 75.2 | 68.9 | | | |
| AIRFLOW RATIO | 500 | 59.7 | 64.9 | 67.2 | 69.6 | 71.0 | 73.0 | 73.9 | 76.3 | 77.0 | 78.4 | 78.8 | 77.8 | 73.8 | 68.7 | | | |
| WF/WM 8.00 | 630 | 60.2 | 64.7 | 66.3 | 68.7 | 70.3 | 71.9 | 74.0 | 76.3 | 77.9 | 77.9 | 78.2 | 78.0 | 74.0 | 69.8 | | | |
| | 800 | 59.3 | 64.3 | 66.2 | 68.8 | 70.3 | 72.2 | 73.3 | 75.6 | 76.4 | 76.9 | 76.1 | 75.9 | 73.9 | 68.7 | | | |
| VEHICLE JENOTS | 1000 | 58.2 | 64.0 | 66.2 | 69.0 | 70.5 | 71.9 | 72.5 | 75.5 | 76.3 | 75.4 | 74.6 | 73.5 | 72.1 | 67.8 | | | |
| CCNFIG JE#055 | 1250 | 57.9 | 64.8 | 66.7 | 68.9 | 70.0 | 71.3 | 72.4 | 75.0 | 75.9 | 73.6 | 72.6 | 71.0 | 69.8 | 64.8 | | | |
| LCC EVENDALB | 1600 | 55.5 | 63.8 | 66.1 | 67.8 | 69.1 | 70.1 | 71.3 | 73.5 | 73.7 | 71.6 | 70.6 | 68.3 | 66.8 | 59.6 | | | |
| DATE 04-21-75 | 2000 | 51.7 | 60.2 | 64.0 | 66.8 | 68.8 | 68.8 | 69.2 | 71.4 | 71.2 | 68.7 | 67.7 | 65.4 | 62.3 | 53.8 | | | |
| RUN DBTF-MODEL 7 | 2500 | 45.7 | 55.7 | 60.0 | 63.8 | 65.4 | 65.7 | 66.1 | 67.6 | 67.6 | 64.8 | 63.5 | 60.5 | 56.4 | 45.4 | | | |
| TAPE X70720 | 3150 | 36.7 | 48.9 | 54.5 | 58.9 | 59.5 | 61.8 | 62.3 | 63.0 | 62.4 | 59.6 | 57.2 | 53.3 | 48.4 | 33.7 | | | |
| FAN TIP SPEED | 4000 | 23.4 | 37.4 | 44.9 | 49.9 | 51.9 | 54.7 | 55.7 | 56.6 | 54.6 | 51.7 | 48.9 | 43.1 | 36.3 | 15.7 | | | |
| FT/SEC | 5000 | 15.0 | 29.8 | 38.5 | 44.7 | 46.6 | 49.1 | 50.0 | 50.2 | 49.1 | 46.0 | 42.3 | 35.5 | 27.7 | 5.3 | | | |
| | 6300 | | 13.3 | 24.3 | 31.4 | 33.8 | 37.7 | 39.1 | 39.7 | 37.0 | 33.9 | 29.5 | 26.7 | 8.4 | | | | |
| | 8000 | | | 4.1 | 13.2 | 17.0 | 21.4 | 22.9 | 24.4 | 21.3 | 17.4 | 11.6 | | | | | | |
| | 10000 | | | | | | 2.7 | 3.7 | 4.7 | 10.1 | | | | | | | | |
| OVERALL CALCULATED | | 74.2 | 77.4 | 80.0 | 81.6 | 82.9 | 84.3 | 85.8 | 88.0 | 89.0 | 90.2 | 91.8 | 92.3 | 90.7 | 87.9 | | | |
| PNDB | | 77.3 | 83.6 | 86.4 | 88.9 | 90.5 | 91.6 | 92.6 | 94.7 | 95.2 | 95.8 | 95.7 | 94.7 | 91.9 | 88.3 | | | |

DATA REVOLUTION PROGRAM
-FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, 1, 70 PERCENT REL; HMA; DAY 1-VENTS)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

ORIGINAL PAGE IS
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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| REV, ALPHA 12/73 - FREQ | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.01) | (0.01) | (0.01) |
| NO EGA | 50 | 59.6 | 59.1 | 63.3 | 64.5 | 66.2 | 67.2 | 69.4 | 70.8 | 73.6 | 75.1 | 78.0 | 81.2 | 81.1 | 76.6 | | |
| SIDELINE 2400, FT | 63 | 63.1 | 64.2 | 66.0 | 66.0 | 67.2 | 67.8 | 69.3 | 71.6 | 72.9 | 74.0 | 77.9 | 82.7 | 82.6 | 75.9 | | |
| (731.52 M) | 100 | 82.8 | 65.0 | 67.1 | 66.4 | 68.7 | 68.6 | 71.1 | 72.2 | 74.6 | 74.2 | 80.6 | 84.1 | 82.9 | 77.5 | | |
| NFA | 125 | 63.7 | 63.9 | 66.7 | 68.2 | 69.6 | 71.2 | 73.0 | 74.3 | 76.0 | 77.4 | 80.4 | 80.7 | 78.8 | 75.4 | | |
| (0.1 RAD/SEC) | 150 | 82.0 | 64.8 | 66.9 | 68.2 | 69.4 | 71.1 | 74.0 | 74.6 | 75.4 | 76.1 | 80.9 | 80.6 | 76.6 | 71.4 | | |
| NFK | 200 | 80.5 | 64.9 | 66.3 | 67.8 | 69.7 | 71.0 | 73.0 | 74.8 | 75.7 | 75.8 | 78.8 | 77.2 | 73.9 | 68.5 | | |
| (0.1 RAD/SEC) | 250 | 80.8 | 63.8 | 64.8 | 68.6 | 70.5 | 71.3 | 72.1 | 74.0 | 75.5 | 75.1 | 77.9 | 76.5 | 72.3 | 66.4 | | |
| NFD | 315 | 58.6 | 62.8 | 65.0 | 66.5 | 68.7 | 69.7 | 71.4 | 73.2 | 74.9 | 74.6 | 75.5 | 74.4 | 69.0 | 63.5 | | |
| (0.1 RAD/SEC) | 400 | 57.4 | 62.0 | 64.0 | 66.0 | 67.7 | 69.4 | 70.5 | 72.0 | 73.7 | 73.9 | 74.4 | 72.8 | 67.2 | 60.6 | | |
| AIRFLOW RATIO | 500 | 54.5 | 60.2 | 62.2 | 64.9 | 66.3 | 68.5 | 69.7 | 71.3 | 73.0 | 72.4 | 72.5 | 69.8 | 63.8 | 57.9 | | |
| WF/HM - 8.00 | 600 | 53.5 | 58.7 | 60.3 | 63.5 | 65.3 | 67.6 | 69.0 | 70.8 | 72.4 | 71.9 | 71.2 | 68.3 | 62.0 | 54.8 | | |
| VEHICLE - JENOTS | 800 | 50.8 | 57.5 | 60.0 | 62.3 | 64.8 | 66.9 | 67.5 | 69.3 | 70.9 | 69.4 | 68.8 | 65.9 | 60.6 | 52.7 | | |
| CONFIG - JE-053 | 1000 | 48.7 | 55.8 | 57.9 | 61.5 | 63.3 | 65.4 | 65.8 | 67.8 | 69.0 | 67.9 | 66.8 | 63.5 | 58.1 | 51.1 | | |
| LOG - EVENDALE | 1250 | 46.4 | 53.3 | 56.9 | 59.4 | 62.3 | 63.0 | 64.9 | 66.7 | 67.7 | 65.6 | 65.3 | 61.0 | 55.8 | 47.8 | | |
| DATE 04-21-75 | 1500 | 42.3 | 50.3 | 53.9 | 57.0 | 58.6 | 60.8 | 62.6 | 64.2 | 65.0 | 63.3 | 62.1 | 57.8 | 52.5 | 43.1 | | |
| RUN - DRYF-MODEL 7 | 2000 | 36.7 | 45.9 | 58.3 | 53.5 | 56.5 | 58.1 | 59.4 | 61.7 | 62.0 | 60.0 | 58.7 | 53.7 | 47.8 | 38.8 | | |
| TARE - XZ0730 | 2500 | 30.2 | 40.7 | 44.8 | 49.1 | 51.4 | 53.5 | 55.4 | 57.1 | 58.1 | 55.8 | 53.5 | 48.5 | 41.2 | 28.4 | | |
| FAN TIP SPEED | 3150 | 20.9 | 33.4 | 39.0 | 43.1 | 45.8 | 48.1 | 49.8 | 52.0 | 52.9 | 53.8 | 46.7 | 40.8 | 31.9 | 15.4 | | |
| FT/SEC | 4000 | 7.4 | 22.4 | 29.1 | 33.9 | 36.6 | 40.5 | 42.0 | 44.5 | 43.8 | 41.7 | 37.2 | 29.6 | 18.5 | | | |
| | 5000 | | 15.5 | 23.2 | 28.7 | 31.1 | 34.1 | 35.8 | 38.7 | 38.1 | 34.0 | 30.1 | 21.5 | 9.4 | | | |
| | 6300 | | | 9.6 | 16.6 | 19.3 | 23.0 | 24.6 | 28.4 | 26.5 | 43.2 | 17.2 | 7.9 | | | | |
| | 8000 | | | | 0.4 | 5.0 | 7.6 | 9.7 | 16.7 | 12.5 | 15.4 | 1.1 | | | | | |
| | 10000 | | | | | | | | 1.0 | 10.5 | | | | | | | |
| OVERALL CALCULATED | | 71.8 | 71.4 | 76.8 | 78.0 | 79.7 | 80.9 | 82.6 | 84.2 | 85.7 | 86.0 | 89.1 | 90.4 | 88.9 | 84.7 | | |
| PNOB | | 71.7 | 70.6 | 72.2 | 81.5 | 83.5 | 85.0 | 86.5 | 88.3 | 89.6 | 90.4 | 90.9 | 90.1 | 86.6 | 82.7 | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHLI | | |
|--------------------|-------|--|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 |
| REV, ALPHA 12/73 | FREQ | (.52) | (.70) | (.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) |
| | 50 | 80.4 | 77.7 | 80.3 | 80.9 | 81.7 | 82.0 | 85.1 | 87.1 | 90.1 | 93.6 | 95.0 | 101.0 | 103.5 | 103.1 | | | | | 193.0 |
| NO EGA | 83 | 81.3 | 81.3 | 82.1 | 81.0 | 82.0 | 82.1 | 84.0 | 86.0 | 87.7 | 89.2 | 92.2 | 99.6 | 100.8 | 101.8 | | | | | 192.0 |
| RDG, NO | 80 | 82.1 | 82.0 | 82.7 | 82.0 | 83.0 | 82.8 | 85.6 | 87.1 | 89.4 | 90.2 | 95.7 | 101.1 | 102.7 | 103.8 | | | | | 193.8 |
| RADIAL 320, FT | 100 | 82.0 | 81.9 | 83.9 | 83.0 | 84.3 | 83.8 | 85.7 | 88.6 | 90.0 | 92.5 | 96.0 | 98.73 | 98.5 | 105.0 | | | | | 193.0 |
| (98, M) | 125 | 82.8 | 81.9 | 85.0 | 83.7 | 84.3 | 85.4 | 87.4 | 89.4 | 90.7 | 93.6 | 96.2 | 98.4 | 99.4 | 100.9 | | | | | 192.2 |
| VEHICLE JENOTS | 160 | 82.5 | 83.0 | 83.6 | 83.8 | 84.7 | 85.7 | 88.7 | 89.2 | 90.9 | 93.7 | 96.9 | 98.0 | 96.7 | 96.2 | | | | | 191.3 |
| CONFIG JE-058 | 200 | 81.8 | 84.3 | 83.2 | 84.0 | 84.9 | 86.0 | 87.6 | 89.5 | 91.1 | 92.3 | 96.1 | 95.8 | 93.9 | 93.5 | | | | | 190.0 |
| LOG EVENDALE | 250 | 83.4 | 82.9 | 82.6 | 85.2 | 85.5 | 86.9 | 87.1 | 88.7 | 90.6 | 92.2 | 95.2 | 95.6 | 93.2 | 91.9 | | | | | 149.9 |
| DATE 04-21-75 | 315 | 81.2 | 82.2 | 83.1 | 82.8 | 84.0 | 85.1 | 86.6 | 88.3 | 90.7 | 92.5 | 93.9 | 94.1 | 91.0 | 89.9 | | | | | 148.6 |
| RUN DBTF-MODEL 7 | 400 | 80.5 | 82.4 | 82.0 | 82.9 | 84.0 | 84.5 | 85.5 | 88.1 | 89.5 | 91.6 | 93.1 | 92.8 | 90.3 | 89.3 | | | | | 147.8 |
| TAPE X70740 | 500 | 79.2 | 80.8 | 81.0 | 82.1 | 83.2 | 84.6 | 85.4 | 87.0 | 89.1 | 91.0 | 91.6 | 90.6 | 87.6 | 86.6 | | | | | 146.6 |
| BAR 29.9 HG | 650 | 78.6 | 80.6 | 80.2 | 81.5 | 82.4 | 83.7 | 85.4 | 87.6 | 89.2 | 90.6 | 90.8 | 90.0 | 86.6 | 86.0 | | | | | 146.3 |
| (01030, N/M2) | 800 | 78.0 | 80.4 | 80.3 | 81.2 | 82.2 | 84.0 | 84.5 | 86.2 | 88.4 | 89.5 | 89.9 | 88.5 | 86.9 | 84.9 | | | | | 145.5 |
| TAMB 39, DEG F | 1000 | 77.1 | 79.1 | 79.4 | 81.1 | 82.1 | 82.7 | 83.6 | 85.5 | 86.8 | 88.2 | 89.0 | 87.3 | 85.7 | 85.0 | | | | | 144.6 |
| (288, DEG K) | 1250 | 76.2 | 78.9 | 79.2 | 80.5 | 81.2 | 81.8 | 82.4 | 84.7 | 86.6 | 87.4 | 87.8 | 86.2 | 84.9 | 84.5 | | | | | 143.9 |
| TWBT 53, DEG F | 1600 | 75.0 | 77.1 | 78.2 | 79.1 | 80.5 | 81.0 | 82.3 | 83.7 | 84.8 | 86.2 | 86.6 | 85.0 | 84.0 | 82.9 | | | | | 142.9 |
| (285, DEG K) | 2000 | 72.8 | 75.4 | 76.1 | 77.4 | 79.1 | 79.4 | 80.5 | 81.5 | 83.3 | 84.2 | 84.8 | 83.4 | 81.6 | 80.7 | | | | | 141.9 |
| HACT 8.91 GM/H3 | 2500 | 70.5 | 72.8 | 74.0 | 75.1 | 76.1 | 77.3 | 78.4 | 79.9 | 81.5 | 81.5 | 82.4 | 80.9 | 78.7 | 77.8 | | | | | 139.4 |
| (100891, KG/H3) | 3150 | 67.5 | 70.7 | 71.9 | 73.0 | 73.3 | 74.5 | 75.9 | 77.2 | 79.0 | 79.3 | 79.5 | 77.6 | 76.9 | 74.9 | | | | | 137.2 |
| FREQ, SHIFT | 4000 | 64.1 | 67.4 | 68.2 | 69.9 | 69.9 | 71.5 | 73.0 | 74.5 | 75.1 | 76.3 | 76.2 | 74.9 | 73.7 | 71.6 | | | | | 134.6 |
| JET 9 | 5000 | 62.2 | 64.7 | 66.2 | 67.6 | 67.3 | 68.1 | 69.6 | 71.7 | 72.6 | 72.4 | 73.1 | 71.5 | 71.2 | 70.4 | | | | | 132.2 |
| DIAMETER RATIO | 6300 | 58.9 | 61.9 | 64.1 | 65.2 | 64.3 | 65.4 | 66.6 | 68.6 | 68.8 | 70.0 | 72.5 | 72.0 | 70.8 | 71.2 | | | | | 131.2 |
| DF/DH 8.00 | 8000 | 56.9 | 58.3 | 62.2 | 63.7 | 63.5 | 63.5 | 64.7 | 67.0 | 66.7 | 68.6 | 73.5 | 73.7 | 72.6 | 73.7 | | | | | 133.0 |
| | 10000 | 56.2 | 56.0 | 62.3 | 64.1 | 64.9 | 65.0 | 65.3 | 67.7 | 68.6 | 70.1 | 75.9 | 76.4 | 74.9 | 75.6 | | | | | 135.6 |
| OVERALL CALCULATED | | 92.9 | 98.6 | 94.3 | 94.7 | 95.6 | 96.4 | 98.0 | 99.8 | 102.6 | 103.5 | 106.0 | 108.5 | 109.2 | 110.6 | | | | | 162.5 |
| PND8 | | 98.9 | 100.5 | 101.3 | 102.3 | 103.3 | 104.1 | 105.4 | 107.1 | 108.7 | 109.9 | 111.5 | 111.8 | 111.0 | 112.3 | | | | | 162.5 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F., 70 PERCENT REL. HUM., DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV, ALPHA 12/73 - FREQ | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|-------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| NO EGA | 50 | 56,6 | 58,1 | 60,3 | 62,0 | 63,4 | 64,2 | 67,4 | 69,3 | 71,8 | 74,6 | 75,0 | 79,4 | 79,6 | 79,8 | |
| SIDELINE 2400, FY | 80 | 57,4 | 59,7 | 62,0 | 62,9 | 64,7 | 64,9 | 67,9 | 69,2 | 72,1 | 71,2 | 75,6 | 79,3 | 78,6 | 74,4 | |
| (73,52 M) | 180 | 57,8 | 60,1 | 63,7 | 63,9 | 65,9 | 65,8 | 67,9 | 70,7 | 72,7 | 73,4 | 75,7 | 76,4 | 74,3 | 77,2 | |
| NFA 0, RPM | 125 | 58,5 | 59,9 | 64,7 | 64,5 | 65,8 | 67,4 | 69,5 | 71,3 | 72,2 | 74,4 | 75,9 | 76,5 | 75,0 | 72,9 | |
| (-0, RAD/SEC) | 180 | 58,0 | 60,0 | 63,2 | 64,5 | 66,2 | 67,6 | 70,7 | 71,1 | 72,4 | 74,3 | 76,4 | 75,9 | 72,1 | 67,9 | |
| NFK 0, RPM | 200 | 57,0 | 61,9 | 62,6 | 64,6 | 66,2 | 67,8 | 69,5 | 71,3 | 72,5 | 72,8 | 75,5 | 73,4 | 69,1 | 64,8 | |
| (-0, RAD/SEC) | 250 | 58,3 | 60,3 | 61,8 | 65,6 | 66,7 | 68,9 | 68,9 | 70,3 | 72,7 | 72,6 | 74,4 | 73,0 | 68,0 | 62,6 | |
| NFD 0, RPM | 310 | 55,9 | 59,3 | 62,0 | 63,0 | 64,9 | 66,5 | 68,1 | 69,7 | 72,6 | 72,6 | 72,8 | 71,2 | 65,5 | 60,0 | |
| (-0, RAD/SEC) | 400 | 54,4 | 59,0 | 60,5 | 62,7 | 64,7 | 65,7 | 66,8 | 69,2 | 70,2 | 71,4 | 71,7 | 69,5 | 64,2 | 58,6 | |
| AIRFLOW RATIO | 500 | 52,5 | 58,9 | 59,2 | 61,6 | 63,5 | 65,5 | 66,4 | 67,8 | 69,5 | 70,4 | 69,8 | 66,8 | 60,8 | 54,9 | |
| WF/HM 8,00 | 600 | 51,0 | 56,2 | 57,8 | 60,5 | 62,3 | 64,1 | 66,0 | 68,1 | 69,1 | 69,6 | 68,4 | 65,5 | 59,0 | 53,0 | |
| | 800 | 49,3 | 55,0 | 57,2 | 59,5 | 61,5 | 63,9 | 64,5 | 66,1 | 67,7 | 67,9 | 66,8 | 63,2 | 58,1 | 50,2 | |
| VEHICLE JENOTS | 1000 | 47,0 | 52,8 | 55,4 | 58,7 | 60,8 | 61,9 | 63,0 | 64,8 | 65,5 | 65,9 | 65,1 | 61,0 | 55,6 | 48,3 | |
| CONFIG JR-055 | 1250 | 44,4 | 51,3 | 54,2 | 57,2 | 59,0 | 60,3 | 61,1 | 63,2 | 64,4 | 64,1 | 62,8 | 58,5 | 53,1 | 45,3 | |
| LOG EVENDALE | 1600 | 40,8 | 47,6 | 51,6 | 54,5 | 57,1 | 58,3 | 59,8 | 61,0 | 61,5 | 61,6 | 60,1 | 55,6 | 49,8 | 40,1 | |
| DATE 04-21-75 | 2000 | 35,7 | 43,7 | 47,8 | 51,3 | 54,3 | 55,3 | 56,7 | 57,4 | 58,5 | 58,0 | 56,5 | 51,7 | 44,5 | 33,6 | |
| RUN DBTF=MODEL 7 | 2500 | 29,2 | 37,9 | 43,0 | 46,6 | 49,2 | 51,2 | 52,6 | 53,9 | 54,6 | 53,0 | 51,5 | 46,0 | 37,4 | 24,4 | |
| TAPE X7074d | 3150 | 19,4 | 30,6 | 36,7 | 40,9 | 43,0 | 45,3 | 47,0 | 48,0 | 48,7 | 47,1 | 44,2 | 37,6 | 28,4 | 11,4 | |
| FAN TIP SPEED | 4000 | 5,9 | 19,6 | 29,6 | 32,2 | 34,6 | 37,5 | 39,5 | 40,5 | 39,8 | 38,7 | 34,7 | 27,1 | 15,3 | | |
| FT/SEC | 5000 | | 12,5 | 21,0 | 26,7 | 29,1 | 31,3 | 33,3 | 34,9 | 34,4 | 31,5 | 27,8 | 19,3 | 7,2 | | |
| | 6300 | | | 8,1 | 14,9 | 17,5 | 20,5 | 22,4 | 23,7 | 22,0 | 19,7 | 16,5 | 6,7 | | | |
| | 8000 | | | | | 3,5 | 6,1 | 8,2 | 9,7 | 8,8 | 3,9 | 0,9 | | | | |
| | 10000 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 87,7 | 79,6 | 73,1 | 74,6 | 76,3 | 77,6 | 79,4 | 81,0 | 82,4 | 83,7 | 85,2 | 86,4 | 84,9 | 82,8 | |
| PNDB | | 88,6 | 79,3 | 75,8 | 78,3 | 80,2 | 81,7 | 83,1 | 85,0 | 86,1 | 86,9 | 87,5 | 86,0 | 82,2 | 78,7 | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG; F; 70 PE
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | 0 | PHL |
|------------------|-------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| REV | ALPHA 12/73 | FREQ | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) |
| NO EGA | | 50 | 92.2 | 91.7 | 91.8 | 91.9 | 95.2 | 96.2 | 101.6 | 98.3 | 104.8 | 111.1 | 108.3 | 117.5 | 115.2 | | | | 166.7 |
| RDG, NO | | 63 | 96.3 | 95.1 | 95.6 | 94.3 | 96.2 | 99.4 | 101.5 | 100.5 | 106.9 | 112.4 | 114.5 | 121.1 | 114.1 | | | | 169.5 |
| RADIAL 320, FT. | | 80 | 99.1 | 98.2 | 98.1 | 96.7 | 98.7 | 99.0 | 101.6 | 103.79 | 111.7 | 117.2 | 118.5 | 122.1 | 117.7 | | | | 172.1 |
| (98, N) | | 100 | 101.0 | 100.2 | 99.4 | 99.0 | 100.5 | 101.0 | 103.2 | 105.1 | 111.3 | 117.3 | 120.2 | 121.3 | 116.0 | | | | 172.3 |
| VEHICLE JENOTS | | 125 | 101.6 | 99.6 | 101.7 | 99.5 | 100.8 | 102.9 | 103.9 | 106.2 | 113.9 | 120.9 | 120.5 | 120.2 | 117.1 | | | | 173.3 |
| CONFIG JE=064 | | 160 | 102.5 | 102.5 | 101.4 | 101.6 | 102.5 | 103.7 | 105.2 | 106.9 | 114.1 | 120.8 | 121.7 | 121.2 | 115.7 | | | | 173.9 |
| LOC EVENDALE | | 200 | 100.6 | 102.2 | 101.4 | 101.5 | 102.7 | 104.3 | 106.0 | 107.7 | 113.7 | 118.3 | 120.4 | 118.7 | 114.8 | | | | 172.5 |
| DATE 05-20-75 | | 250 | 102.9 | 101.4 | 100.3 | 102.7 | 103.6 | 104.9 | 105.8 | 108.8 | 114.2 | 118.4 | 120.7 | 117.8 | 113.7 | | | | 172.3 |
| RUN DBTF=MODEL | | 315 | 102.1 | 100.8 | 101.5 | 100.7 | 102.3 | 103.8 | 105.6 | 108.1 | 113.2 | 116.8 | 119.3 | 117.0 | 111.8 | | | | 171.1 |
| TAPE X70800 | | 400 | 101.7 | 100.6 | 100.5 | 100.7 | 102.0 | 103.7 | 105.7 | 107.7 | 113.0 | 116.3 | 118.8 | 116.0 | 109.9 | | | | 170.6 |
| BAR 29.3 HG | | 500 | 100.7 | 99.4 | 99.5 | 100.1 | 101.5 | 103.7 | 105.8 | 107.8 | 112.4 | 115.3 | 116.5 | 112.8 | 108.7 | | | | 169.1 |
| (98874, N/H2) | | 630 | 102.0 | 100.1 | 100.1 | 100.1 | 101.5 | 103.3 | 105.8 | 107.7 | 112.5 | 114.8 | 115.6 | 112.0 | 107.8 | | | | 168.7 |
| TAMB 89, DEG F | | 800 | 101.0 | 100.2 | 101.9 | 102.0 | 102.9 | 103.1 | 105.8 | 107.1 | 111.5 | 113.5 | 115.1 | 111.5 | 106.8 | | | | 168.1 |
| (305, DEG K) | | 1000 | 100.5 | 100.7 | 101.7 | 101.9 | 102.4 | 103.0 | 105.7 | 106.9 | 110.0 | 112.6 | 113.6 | 110.6 | 106.1 | | | | 167.3 |
| TWT 73, DEG F | | 1250 | 99.7 | 100.7 | 101.7 | 102.4 | 102.6 | 103.3 | 105.9 | 106.0 | 109.1 | 111.4 | 112.4 | 109.9 | 105.5 | | | | 166.6 |
| (296, DEG K) | | 1600 | 98.6 | 98.9 | 101.1 | 101.5 | 102.5 | 103.8 | 105.4 | 104.8 | 108.0 | 110.1 | 110.8 | 108.5 | 104.2 | | | | 165.7 |
| HACT 0, GH/M3 | | 2000 | 96.0 | 96.7 | 98.8 | 100.2 | 101.5 | 102.7 | 103.7 | 103.6 | 106.3 | 108.7 | 110.0 | 106.5 | 101.8 | | | | 164.5 |
| (, KG/M3) | | 2500 | 93.5 | 94.2 | 96.5 | 97.6 | 98.5 | 100.2 | 101.0 | 101.8 | 104.0 | 106.7 | 108.2 | 105.0 | 99.3 | | | | 162.7 |
| FREQ, SHIFT | | 3150 | 89.9 | 91.7 | 93.3 | 93.8 | 96.5 | 97.4 | 98.7 | 99.8 | 101.7 | 104.2 | 105.8 | | | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV, ALPHA 12/73 | FREQ | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 0.0' | 0.0' | 0.0' | 0.0' |
|--------------------------------------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| NO EGA | 30 | 70.6 | 71.7 | 72.9 | 73.7 | 77.4 | 78.6 | 83.8 | 80.1 | 85.9 | 91.1 | 86.7 | 93.7 | 87.9 | | | | |
| SIDELINE 2400' FT | 63 | 74.7 | 75.0 | 76.6 | 76.0 | 78.4 | 81.7 | 83.6 | 82.2 | 87.9 | 92.4 | 92.8 | 97.2 | 86.6 | | | | |
| (731.52 M) | 80 | 77.3 | 78.1 | 79.7 | 78.4 | 80.8 | 81.3 | 83.7 | 85.6 | 92.6 | 97.1 | 96.7 | 98.0 | 90.1 | | | | |
| NFA | 100 | 79.1 | 80.0 | 80.3 | 80.7 | 82.6 | 83.2 | 85.2 | 86.8 | 92.2 | 97.1 | 98.4 | 99.1 | 88.2 | | | | |
| 0. RPM | 125 | 79.6 | 79.3 | 82.5 | 81.0 | 82.8 | 85.1 | 85.9 | 87.7 | 94.7 | 100.5 | 98.5 | 95.8 | 89.1 | | | | |
| 0. RAD/SEC | 160 | 80.4 | 82.0 | 82.1 | 83.0 | 84.4 | 85.7 | 87.1 | 88.3 | 94.8 | 100.3 | 99.6 | 96.6 | 87.3 | | | | |
| NFK | 200 | 78.3 | 81.6 | 82.0 | 82.8 | 84.3 | 86.2 | 87.8 | 89.8 | 94.2 | 98.6 | 98.0 | 93.9 | 86.0 | | | | |
| 0. RPM | 250 | 80.3 | 80.5 | 80.7 | 83.8 | 85.3 | 86.6 | 87.4 | 89.8 | 94.6 | 97.6 | 98.2 | 92.7 | 84.5 | | | | |
| 0. RAD/SEC | 315 | 79.2 | 79.7 | 81.6 | 81.7 | 83.7 | 85.3 | 87.0 | 89.0 | 93.3 | 97.7 | 96.4 | 91.4 | 81.9 | | | | |
| 0. RPM | 400 | 78.4 | 79.1 | 80.4 | 81.4 | 83.1 | 85.0 | 86.8 | 88.4 | 92.8 | 94.8 | 95.5 | 89.9 | 79.2 | | | | |
| 0. RAD/SEC | 500 | 76.9 | 77.6 | 79.0 | 80.4 | 82.4 | 84.7 | 86.6 | 88.2 | 91.9 | 93.4 | 92.7 | 86.0 | 77.1 | | | | |
| AIRFLOW RATIO | 630 | 77.5 | 77.7 | 79.1 | 80.0 | 81.9 | 83.9 | 86.2 | 87.7 | 91.5 | 92.4 | 91.2 | 84.4 | 74.9 | | | | |
| WF/WM 8.00 | 800 | 75.7 | 77.0 | 80.3 | 81.3 | 82.4 | 83.2 | 85.5 | 86.3 | 89.9 | 90.4 | 89.8 | 82.8 | 72.1 | | | | |
| VEHICLE JENOTS | 1000 | 74.1 | 76.8 | 79.3 | 80.6 | 81.7 | 82.5 | 85.0 | 85.6 | 87.7 | 88.6 | 87.3 | 80.4 | 69.4 | | | | |
| CONFIG JE064 | 1250 | 72.0 | 75.6 | 78.4 | 80.3 | 81.1 | 81.9 | 84.3 | 83.6 | 85.9 | 86.4 | 84.8 | 78.1 | 66.3 | | | | |
| LOC EVENDALE | 1600 | 69.1 | 72.4 | 76.5 | 78.1 | 79.8 | 81.3 | 82.7 | 81.4 | 83.3 | 83.6 | 81.3 | 74.3 | 61.3 | | | | |
| DATE 05-20-75 | 2000 | 64.3 | 68.4 | 72.6 | 75.4 | 77.4 | 78.9 | 79.7 | 78.8 | 80.1 | 80.3 | 78.3 | 69.3 | 54.7 | | | | |
| RUN DBTF=MODEL 7 | 2500 | 58.6 | 63.3 | 68.1 | 70.6 | 72.5 | 74.5 | 75.0 | 74.9 | 75.5 | 75.7 | 73.3 | 63.7 | 45.9 | | | | |
| TAPE X70800 | 3150 | 49.9 | 56.4 | 61.1 | 63.5 | 67.3 | 68.5 | 69.4 | 68.9 | 69.6 | 69.0 | 65.8 | 54.9 | 33.4 | | | | |
| FAN TIP SPEED | 4000 | 37.3 | 44.5 | 50.8 | 54.3 | 57.4 | 60.1 | 60.9 | 59.8 | 61.1 | 60.6 | 55.5 | 42.9 | 14.9 | | | | |
| FT/SEC | 5000 | 28.7 | 36.4 | 44.1 | 47.5 | 49.8 | 53.2 | 54.2 | 52.8 | 53.9 | 54.1 | 49.3 | 35.2 | 4.1 | | | | |
| | 6300 | 10.7 | 21.0 | 29.0 | 32.9 | 36.4 | 42.5 | 43.1 | 40.2 | 41.9 | 41.1 | 34.8 | 16.5 | | | | | |
| | 8000 | | 1.6 | 12.4 | 18.0 | 20.6 | 30.7 | 29.9 | 24.5 | 25.7 | 24.4 | 14.3 | | | | | | |
| | 10000 | | | | 1.0 | 3.6 | 15.3 | 14.1 | 7.0 | 6.4 | 2.1 | | | | | | | |
| OVERALL CALCULATED | | 89.8 | 90.7 | 92.1 | 92.9 | 94.6 | 96.1 | 97.9 | 99.1 | 104.0 | 107.0 | 107.5 | 108.5 | 97.1 | | | | |
| PND8 | | 93.5 | 95.1 | 97.7 | 98.1 | 100.9 | 102.5 | 104.1 | 104.5 | 108.5 | 111.1 | 110.6 | 106.2 | 96.9 | | | | |

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | | |
|--------------------|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--|--|
| REV | ALPHA 12/73 | FREQ | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) | | |
| NO EGA | | 50 | 91.4 | 90.7 | 91.1 | 91.2 | 94.2 | 95.7 | 99.3 | 97.6 | 104.8 | 110.8 | 107.8 | 117.3 | 114.0 | | | | | | |
| RDG NO 0 | | 63 | 95.3 | 93.8 | 94.8 | 93.8 | 95.5 | 98.9 | 100.5 | 100.2 | 106.4 | 111.2 | 113.7 | 119.6 | 113.8 | | | | | | |
| RADIAL 320 FT | | 80 | 98.1 | 96.7 | 97.7 | 96.0 | 98.2 | 98.0 | 100.6 | 103.4 | 111.2 | 116.2 | 117.7 | 121.3 | 116.9 | | | | | | |
| (98, M) | | 100 | 99.5 | 99.2 | 98.6 | 98.5 | 99.8 | 100.5 | 102.2 | 104.4 | 110.8 | 116.3 | 118.7 | 120.0 | 115.7 | | | | | | |
| VEHICLE JENOTS | | 125 | 101.3 | 98.9 | 100.5 | 99.0 | 100.5 | 102.4 | 103.7 | 105.7 | 113.4 | 119.9 | 119.7 | 120.4 | 116.9 | | | | | | |
| CONFIG JE=064 | | 160 | 101.5 | 101.2 | 100.6 | 100.8 | 101.7 | 102.7 | 104.9 | 105.9 | 113.3 | 118.8 | 119.7 | 121.2 | 115.7 | | | | | | |
| LOC EVENDALE | | 200 | 100.1 | 100.5 | 100.2 | 100.5 | 102.4 | 103.5 | 105.3 | 107.0 | 113.2 | 117.3 | 118.6 | 118.7 | 114.3 | | | | | | |
| DATE 05-20-75 | | 250 | 101.6 | 99.8 | 99.5 | 101.7 | 102.9 | 103.9 | 105.8 | 107.9 | 113.2 | 116.4 | 118.4 | 117.3 | 114.0 | | | | | | |
| RUN DBTF=MODEL 7 | | 315 | 100.8 | 99.8 | 100.5 | 99.5 | 101.5 | 103.0 | 105.4 | 107.5 | 112.2 | 113.3 | 117.9 | 119.7 | 111.3 | | | | | | |
| TAPE X70810 | | 400 | 100.7 | 99.8 | 100.3 | 100.5 | 102.0 | 103.0 | 104.7 | 106.7 | 112.8 | 114.3 | 116.8 | 115.3 | 110.6 | | | | | | |
| BAR 29.3 HG | | 500 | 100.4 | 99.4 | 99.5 | 100.3 | 101.3 | 102.7 | 105.0 | 107.1 | 111.4 | 113.5 | 115.3 | 112.8 | 108.2 | | | | | | |
| (98840, N/M2) | | 630 | 101.5 | 100.6 | 99.9 | 100.0 | 101.5 | 102.7 | 105.5 | 107.5 | 111.5 | 113.2 | 114.6 | 111.7 | 107.6 | | | | | | |
| YAMB 87, DEG F | | 800 | 102.0 | 102.1 | 102.2 | 101.0 | 102.0 | 102.8 | 105.1 | 107.1 | 110.2 | 111.8 | 113.6 | 111.0 | 106.3 | | | | | | |
| (304, DEG K) | | 1000 | 101.2 | 101.9 | 103.1 | 102.6 | 102.2 | 102.7 | 105.2 | 105.4 | 109.3 | 111.1 | 112.6 | 110.0 | 105.8 | | | | | | |
| TWET 73, DEG F | | 1250 | 99.6 | 101.1 | 102.9 | 103.1 | 103.3 | 103.0 | 104.9 | 105.2 | 108.4 | 110.1 | 111.4 | 109.1 | 105.0 | | | | | | |
| (296, DEG K) | | 1600 | 98.5 | 99.6 | 101.3 | 101.7 | 102.5 | 103.3 | 104.1 | 104.3 | 106.7 | 109.1 | 110.0 | 106.7 | 103.6 | | | | | | |
| HACT 0, GM/M3 | | 2000 | 95.7 | 97.4 | 99.5 | 100.4 | 100.6 | 101.9 | 102.9 | 103.0 | 104.7 | 107.4 | 108.9 | 106.4 | 101.3 | | | | | | |
| FREQ SHIFT | | 2500 | 93.0 | 94.4 | 96.7 | 97.7 | 97.9 | 99.6 | 100.2 | 100.7 | 102.7 | 105.1 | 106.6 | 104.2 | 98.7 | | | | | | |
| JET 9 | | 3150 | 89.6 | 91.6 | 94.2 | 94.2 | 95.2 | 96.8 | 98.1 | 98.1 | 100.1 | 102.9 | 105.0 | 102.1 | 97.1 | | | | | | |
| DIAMETER RATIO | | 4000 | 84.7 | 86.5 | 89.7 | 89.2 | 91.5 | 93.1 | 94.3 | 94.0 | 97.2 | 100.1 | 102.2 | 100.5 | 93.4 | | | | | | |
| DF/DH 8.00 | | 5000 | 81.1 | 82.3 | 85.1 | 85.2 | 86.5 | 88.7 | 90.6 | 90.2 | 94.0 | 96.9 | 100.1 | 98.1 | 91.6 | | | | | | |
| OVERALL CALCULATED | | 6300 | 76.2 | 77.2 | 80.2 | 80.9 | 81.5 | 86.3 | 86.9 | 86.7 | 92.3 | 95.8 | 99.3 | 98.4 | 89.7 | | | | | | |
| PNDB | | 8000 | 74.8 | 75.2 | 77.1 | 78.7 | 77.7 | 86.9 | 87.2 | 84.7 | 92.8 | 95.6 | 99.3 | 98.8 | 88.6 | | | | | | |
| | | 10000 | 75.9 | 75.4 | 75.7 | 79.4 | 78.0 | 89.3 | 88.1 | 85.0 | 95.2 | 97.0 | 100.9 | 100.0 | 88.5 | | | | | | |
| | | | 112.4 | 112.1 | 112.7 | 112.8 | 113.8 | 114.8 | 116.7 | 118.1 | 123.4 | 127.3 | 128.7 | 129.6 | 125.1 | | | | | | |
| | | | 120.2 | 120.7 | 122.0 | 122.4 | 123.2 | 124.6 | 126.1 | 126.7 | 130.5 | 133.4 | 135.1 | 134.4 | 129.5 | | | | | | |

1051

ORIGINAL PKT
 OF 1000 QTY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| SPL INPUT AT STD
REV. ALPHA 12/73 | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)(3.5) | | | | | | | | | | | | | | | |
|--------------------------------------|--|---|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
| NO EGA | | 50 | 69.8 | 70.7 | 72.1 | 73.0 | 76.4 | 78.1 | 81.5 | 79.4 | 85.9 | 90.8 | 86.2 | 93.4 | 86.7 | | |
| SIDELINE 2400. FT. | | 63 | 73.7 | 73.7 | 75.8 | 75.5 | 77.6 | 81.2 | 82.6 | 82.0 | 87.4 | 91.1 | 92.1 | 95.7 | 86.4 | | |
| (731.52 H) | | 80 | 76.3 | 76.6 | 78.7 | 77.7 | 80.3 | 80.3 | 82.7 | 85.1 | 92.1 | 96.1 | 96.0 | 97.3 | 89.3 | | |
| NFA 0. RPM | | 100 | 77.6 | 78.9 | 79.5 | 80.1 | 81.8 | 82.7 | 84.2 | 86.0 | 91.7 | 96.0 | 96.9 | 95.8 | 87.9 | | |
| (0. RAD/SEC) | | 125 | 79.4 | 78.6 | 81.3 | 80.5 | 82.9 | 84.6 | 85.7 | 87.2 | 94.2 | 99.5 | 97.8 | 96.1 | 88.8 | | |
| NFK 0. RPM | | 160 | 79.4 | 80.7 | 81.3 | 82.3 | 83.6 | 84.7 | 86.8 | 87.3 | 94.0 | 98.3 | 97.6 | 96.6 | 87.3 | | |
| (0. RAD/SEC) | | 200 | 77.7 | 79.9 | 80.7 | 81.8 | 84.2 | 85.4 | 87.0 | 88.3 | 93.7 | 96.6 | 96.3 | 93.9 | 85.5 | | |
| NFD 0. RPM | | 250 | 79.0 | 79.0 | 79.9 | 82.8 | 84.5 | 85.6 | 87.4 | 89.1 | 93.6 | 95.6 | 95.9 | 92.1 | 84.7 | | |
| (0. RAD/SEC) | | 315 | 77.9 | 78.7 | 80.6 | 80.4 | 82.9 | 84.6 | 86.8 | 88.3 | 92.3 | 94.2 | 94.6 | 90.1 | 81.4 | | |
| AIRFLOW RATIO | | 400 | 77.4 | 78.4 | 80.1 | 81.1 | 83.1 | 84.3 | 85.8 | 87.4 | 92.6 | 92.8 | 93.5 | 89.2 | 79.9 | | |
| WF/WB 8.00 | | 500 | 76.6 | 77.6 | 79.0 | 80.6 | 82.1 | 83.7 | 85.8 | 87.4 | 90.9 | 91.7 | 91.5 | 86.0 | 76.6 | | |
| | | 630 | 77.0 | 78.2 | 78.9 | 80.0 | 81.9 | 83.3 | 86.0 | 87.4 | 90.5 | 90.9 | 90.2 | 84.1 | 74.6 | | |
| | | 800 | 76.6 | 79.0 | 80.6 | 80.4 | 81.9 | 82.9 | 85.0 | 86.4 | 88.6 | 88.6 | 88.3 | 82.3 | 71.6 | | |
| VEHICLE JENOYS | | 1000 | 74.8 | 78.0 | 80.8 | 81.3 | 81.4 | 82.2 | 84.4 | 84.8 | 86.9 | 87.1 | 86.3 | 79.9 | 69.1 | | |
| CONFIG JE-064 | | 1250 | 72.0 | 76.1 | 79.6 | 81.0 | 81.8 | 81.7 | 83.3 | 83.0 | 85.1 | 85.1 | 83.8 | 77.3 | 65.8 | | |
| LOC EVENDALE | | 1600 | 69.0 | 73.1 | 76.7 | 78.3 | 79.8 | 80.8 | 81.4 | 80.9 | 82.0 | 82.5 | 80.5 | 74.5 | 60.8 | | |
| DATE 05-20-75 | | 2000 | 64.0 | 69.1 | 73.3 | 75.6 | 76.6 | 78.1 | 78.9 | 78.2 | 78.5 | 79.0 | 77.2 | 69.3 | 54.1 | | |
| RUN DBTF=MODEL | | 2500 | 58.1 | 63.4 | 68.2 | 70.8 | 71.9 | 73.9 | 74.2 | 73.8 | 74.2 | 74.1 | 71.7 | 62.8 | 45.3 | | |
| TAPE X70810 | | 3150 | 49.5 | 56.4 | 62.0 | 63.9 | 65.9 | 68.0 | 68.9 | 67.8 | 68.0 | 67.6 | 65.0 | 54.1 | 33.6 | | |
| FAN TIP SPEED | | 4000 | 37.0 | 44.9 | 52.0 | 53.9 | 57.6 | 59.5 | 60.3 | 58.7 | 59.5 | 58.5 | 54.4 | 42.3 | 14.8 | | |
| FT/SEC | | 5000 | 28.9 | 37.1 | 44.2 | 46.9 | 49.7 | 52.4 | 53.8 | 52.0 | 53.1 | 51.7 | 47.9 | 34.1 | 4.2 | | |
| | | 6300 | 10.9 | 21.2 | 29.9 | 34.1 | 36.6 | 42.2 | 42.0 | 39.9 | 42.0 | 39.8 | 34.0 | 17.2 | | | |
| | | 8000 | | 2.6 | 12.4 | 18.7 | 20.3 | 30.4 | 29.9 | 24.7 | 28.1 | 23.0 | 14.0 | | | | |
| OVERALL CALCULATED | | 10000 | | | | 1.2 | 3.3 | 15.7 | 13.3 | 6.7 | 10.4 | 1.3 | | | | | |
| PNDB | | | 88.8 | 90.0 | 91.7 | 92.5 | 94.2 | 95.5 | 97.3 | 98.4 | 103.3 | 106.4 | 106.0 | 104.9 | 96.7 | | |
| | | | 92.8 | 94.9 | 97.7 | 99.0 | 100.6 | 101.9 | 103.2 | 103.7 | 107.8 | 109.4 | 108.9 | 105.8 | 96.6 | | |

1052

| SPL INPUT AT STD | | PROC DATE 2 MONTH 34 DAY 0 HR 0:8 | | | | | | | | | | | | | | | | PHL | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| REV, ALPHA 12/73 | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50, DEG F; 90 PERCENT REL; HLM, DAY - JEROTS) | | | | | | | | | | | | | | | | | | | |
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | |
| | | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) | (4.02) |
| NO EGA | 50 | 87.7 | 87.7 | 87.1 | 87.7 | 90.4 | 91.2 | 92.1 | 93.1 | 99.3 | 108.6 | 104.3 | 112.3 | 112.2 | | | | | | | 162.0 |
| RDG, NO: 0 | 63 | 91.3 | 90.6 | 90.6 | 90.0 | 91.2 | 95.1 | 96.0 | 96.0 | 102.2 | 106.4 | 110.0 | 117.4 | 109.6 | | | | | | | 165.3 |
| RADIAL 320, FT | 80 | 93.6 | 92.7 | 93.2 | 92.2 | 94.2 | 94.0 | 96.9 | 96.0 | 104.9 | 111.0 | 114.5 | 117.1 | 112.4 | | | | | | | 167.0 |
| (98, M) | 100 | 94.5 | 93.4 | 94.4 | 94.8 | 96.0 | 96.0 | 98.4 | 99.9 | 105.0 | 111.5 | 115.2 | 118.5 | 113.0 | | | | | | | 167.3 |
| VEHICLE JENOTS | 125 | 97.3 | 94.4 | 96.2 | 94.7 | 95.8 | 97.9 | 99.7 | 100.6 | 107.1 | 114.1 | 119.7 | 114.2 | 113.1 | | | | | | | 167.6 |
| CONFIG JE-064 | 160 | 96.8 | 96.2 | 95.9 | 95.8 | 97.2 | 98.7 | 99.9 | 101.1 | 107.6 | 114.9 | 117.0 | 114.6 | 111.9 | | | | | | | 168.2 |
| LOC EVENDALE | 200 | 95.1 | 96.2 | 95.2 | 95.8 | 97.4 | 99.0 | 100.5 | 101.9 | 107.4 | 112.8 | 114.8 | 113.7 | 110.3 | | | | | | | 166.7 |
| DATE 05-20-73 | 250 | 96.6 | 95.3 | 94.5 | 96.7 | 98.6 | 99.1 | 101.0 | 102.6 | 107.4 | 111.9 | 114.2 | 113.3 | 109.5 | | | | | | | 166.3 |
| RUN DBTF=MODEL 7 | 315 | 96.5 | 95.0 | 95.7 | 95.2 | 96.7 | 98.3 | 100.3 | 102.8 | 107.1 | 110.3 | 113.7 | 111.7 | 107.5 | | | | | | | 165.3 |
| TAPE X70850 | 400 | 95.6 | 95.3 | 95.8 | 96.0 | 97.2 | 98.4 | 100.2 | 102.2 | 106.9 | 110.3 | 113.0 | 111.0 | 106.4 | | | | | | | 164.9 |
| BAR 29.3 HG | 500 | 95.6 | 94.7 | 95.2 | 95.0 | 96.8 | 98.4 | 100.0 | 102.6 | 106.4 | 109.0 | 111.0 | 108.8 | 104.0 | | | | | | | 163.5 |
| (98975, N/M2) | 630 | 97.2 | 96.1 | 95.3 | 95.0 | 96.8 | 99.1 | 100.5 | 102.7 | 106.3 | 108.7 | 110.6 | 108.2 | 103.8 | | | | | | | 163.4 |
| TAMB 80, DEG F | 800 | 99.4 | 98.4 | 96.7 | 96.3 | 97.2 | 98.8 | 100.8 | 102.1 | 105.4 | 107.2 | 109.6 | 107.7 | 103.7 | | | | | | | 162.8 |
| (300, DEG K) | 1000 | 100.4 | 99.6 | 99.1 | 97.8 | 97.9 | 98.5 | 100.4 | 102.1 | 104.2 | 106.3 | 108.8 | 107.2 | 104.0 | | | | | | | 162.5 |
| TWET 70, DEG F | 1250 | 100.1 | 100.1 | 100.1 | 99.6 | 98.8 | 98.7 | 101.3 | 101.9 | 103.1 | 105.5 | 107.1 | 106.8 | 103.9 | | | | | | | 162.2 |
| (294, DEG K) | 1600 | 97.5 | 98.8 | 100.0 | 100.2 | 99.4 | 99.7 | 101.3 | 100.5 | 101.9 | 103.8 | 106.2 | 105.4 | 102.8 | | | | | | | 161.5 |
| HACT 0, GM/M3 | 2000 | 95.1 | 96.6 | 98.2 | 99.1 | 99.3 | 99.4 | 99.6 | 99.0 | 100.2 | 102.1 | 104.1 | 103.6 | 100.7 | | | | | | | 160.1 |
| (1, KG/M3) | 2500 | 91.7 | 93.6 | 95.4 | 95.7 | 96.6 | 97.1 | 97.4 | 97.2 | 97.9 | 100.0 | 102.6 | 101.6 | 98.2 | | | | | | | 158.2 |
| FREQ, SHIFT | 3150 | 88.3 | 90.5 | 92.1 | 92.1 | 93.4 | 93.8 | 94.8 | 94.8 | 95.8 | 96.5 | 100.0 | 99.6 | 96.0 | | | | | | | 155.9 |
| JET 9 | 4000 | 83.4 | 85.7 | 87.9 | 86.9 | 89.7 | 90.3 | 91.3 | 90.4 | 92.3 | 93.8 | 96.6 | 97.2 | 92.8 | | | | | | | 153.2 |
| DIAMETER RATIO | 5000 | 79.5 | 81.5 | 83.3 | 83.3 | 84.2 | 85.6 | 86.5 | 86.1 | 88.2 | 89.4 | 93.3 | 94.0 | 90.5 | | | | | | | 149.8 |
| DF/DH 8.00 | 6300 | 75.1 | 75.9 | 78.7 | 77.8 | 79.1 | 80.6 | 82.1 | 80.6 | 85.8 | 86.3 | 91.0 | 91.3 | 86.9 | | | | | | | 147.7 |
| OVERALL CALCULATED | 8000 | 73.7 | 73.6 | 75.8 | 76.3 | 76.3 | 78.1 | 79.1 | 76.6 | 86.2 | 84.8 | 90.0 | 90.2 | 86.0 | | | | | | | 148.4 |
| PND8 | 10000 | 74.8 | 73.3 | 75.8 | 77.8 | 77.2 | 79.0 | 78.9 | 74.8 | 88.4 | 89.9 | 90.7 | 90.2 | 86.9 | | | | | | | 151.8 |
| | | 109.2 | 108.9 | 109.1 | 109.0 | 109.8 | 110.7 | 112.4 | 113.6 | 117.9 | 122.5 | 125.0 | 125.2 | 121.6 | | | | | | | 177.6 |
| | | 118.0 | 118.6 | 119.8 | 119.8 | 120.5 | 121.1 | 122.1 | 122.4 | 125.3 | 128.2 | 130.8 | 130.1 | 126.7 | | | | | | | 176.9 |

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ORIGINAL PAGE
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)

| SPL INPUT AT STD
REV, ALPHA 12/73 | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 170' | 180' | 190' |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) |
| | | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) |
| NO EGA | | 50 | 66.1 | 67.7 | 68.1 | 69.5 | 72.6 | 73.6 | 74.3 | 74.9 | 80.4 | 85.6 | 88.3 | 88.4 | 84.9 | 84.9 | 84.9 |
| SIDELINE 2400' FT. | | 63 | 69.7 | 70.5 | 71.6 | 71.8 | 73.4 | 77.4 | 78.1 | 77.7 | 83.2 | 86.4 | 88.3 | 93.4 | 82.1 | 84.6 | 84.6 |
| (731.52 M) | | 80 | 71.8 | 72.6 | 74.2 | 73.9 | 76.3 | 76.3 | 79.0 | 80.5 | 85.9 | 90.8 | 92.7 | 93.0 | 84.6 | 84.6 | 84.6 |
| NFA 0: RPM | | 100 | 72.6 | 75.2 | 75.3 | 76.4 | 78.1 | 78.2 | 80.5 | 81.5 | 85.9 | 91.3 | 93.4 | 92.3 | 85.2 | 85.2 | 85.2 |
| (0: RAD/SEC) | | 125 | 75.4 | 74.1 | 77.0 | 76.3 | 77.8 | 80.1 | 81.7 | 82.2 | 87.9 | 93.8 | 93.8 | 89.8 | 85.1 | 85.1 | 85.1 |
| NFK 0: RPM | | 160 | 74.6 | 75.7 | 76.6 | 77.2 | 79.1 | 80.7 | 81.8 | 82.6 | 86.3 | 94.1 | 94.8 | 90.1 | 83.6 | 83.6 | 83.6 |
| (0: RAD/SEC) | | 200 | 72.7 | 75.6 | 75.7 | 77.1 | 79.2 | 80.9 | 82.3 | 83.3 | 87.9 | 92.1 | 92.5 | 88.9 | 81.5 | 81.5 | 81.5 |
| NFD 0: RPM | | 250 | 74.0 | 74.5 | 74.9 | 77.8 | 80.2 | 80.9 | 82.6 | 83.9 | 87.8 | 91.1 | 91.6 | 88.1 | 80.2 | 80.2 | 80.2 |
| (0: RAD/SEC) | | 315 | 73.7 | 73.9 | 75.9 | 76.1 | 78.1 | 79.8 | 81.7 | 83.7 | 87.3 | 89.2 | 90.9 | 86.1 | 77.6 | 77.6 | 77.6 |
| AIRFLOW RATIO | | 400 | 72.3 | 73.9 | 75.6 | 76.6 | 78.4 | 79.7 | 81.3 | 82.9 | 86.8 | 88.8 | 89.7 | 84.9 | 75.7 | 75.7 | 75.7 |
| HF/NH 8.00 | | 500 | 71.8 | 72.8 | 74.7 | 75.4 | 77.6 | 79.4 | 80.8 | 82.9 | 85.8 | 87.2 | 87.2 | 82.0 | 72.3 | 72.3 | 72.3 |
| | | 630 | 72.8 | 73.7 | 74.4 | 74.9 | 76.9 | 79.7 | 80.9 | 82.6 | 85.3 | 86.3 | 86.1 | 80.6 | 70.6 | 70.6 | 70.6 |
| | | 800 | 74.1 | 75.3 | 75.1 | 75.6 | 77.1 | 78.9 | 80.7 | 81.4 | 83.8 | 84.1 | 84.2 | 79.0 | 69.1 | 69.1 | 69.1 |
| VEHICLE JENOTS | | 1000 | 74.0 | 75.7 | 76.7 | 76.5 | 77.1 | 77.9 | 79.7 | 80.6 | 81.9 | 82.3 | 82.3 | 77.1 | 67.3 | 67.3 | 67.3 |
| CONFIG JE=064 | | 1250 | 72.4 | 75.1 | 76.9 | 77.4 | 77.2 | 77.4 | 79.8 | 79.7 | 79.8 | 80.5 | 79.5 | 73.0 | 64.7 | 64.7 | 64.7 |
| LOC EVENDALE | | 1600 | 68.0 | 72.3 | 75.4 | 76.8 | 76.7 | 77.2 | 78.6 | 77.1 | 77.3 | 77.2 | 76.7 | 71.2 | 60.0 | 60.0 | 60.0 |
| DATE 05-20-75 | | 2000 | 63.4 | 68.3 | 72.0 | 74.3 | 75.3 | 75.6 | 75.6 | 74.2 | 74.0 | 73.7 | 72.4 | 66.5 | 53.6 | 53.6 | 53.6 |
| RUN DBTF=MODEL 7 | | 2500 | 56.8 | 62.6 | 66.9 | 68.8 | 70.6 | 71.3 | 71.4 | 70.3 | 69.4 | 69.1 | 67.7 | 60.3 | 44.7 | 44.7 | 44.7 |
| TAPE X70850 | | 3150 | 48.2 | 55.3 | 59.9 | 61.9 | 64.1 | 64.9 | 65.5 | 64.5 | 63.7 | 61.3 | 59.9 | 51.5 | 32.5 | 32.5 | 32.5 |
| FAN TIP SPEED | | 4000 | 33.6 | 44.1 | 50.2 | 51.6 | 55.7 | 56.7 | 57.3 | 55.1 | 54.7 | 52.2 | 48.9 | 39.0 | 14.2 | 14.2 | 14.2 |
| FT/SEC | | 5000 | 27.3 | 36.3 | 42.4 | 45.1 | 47.4 | 49.3 | 49.7 | 47.9 | 47.3 | 44.1 | 41.1 | 30.0 | 3.2 | 3.2 | 3.2 |
| | | 6300 | 9.8 | 19.8 | 28.4 | 31.0 | 34.2 | 36.4 | 37.2 | 33.8 | 35.4 | 30.2 | 25.7 | 10.1 | | | |
| | | 8000 | | 1.0 | 11.0 | 16.4 | 19.0 | 21.5 | 21.8 | 16.6 | 21.5 | 12.2 | 4.6 | | | | |
| | | 10000 | | | | | 2.5 | 5.4 | 4.2 | | 3.5 | | | | | | |
| OVERALL CALCULATED | | | 84.9 | 86.2 | 87.5 | 88.3 | 89.9 | 91.2 | 92.6 | 93.8 | 97.7 | 102.6 | 102.4 | 100.5 | 93.1 | | |
| PNDB | | | 89.6 | 92.4 | 94.7 | 95.9 | 97.2 | 98.1 | 99.4 | 99.8 | 102.3 | 104.6 | 105.0 | 101.3 | 93.0 | | |

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| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-----|-----|-----|-------|
| REV, ALPHA 12/73 | FREQ | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | (0) | (0) | (0) | (0) |
| NO EGA | 50 | 87.7 | 86.7 | 86.8 | 87.2 | 89.9 | 90.7 | 93.3 | 92.8 | 98.1 | 104.1 | 102.5 | 111.0 | 110.7 | | | | | | | 160.7 |
| RDG, NO. 0 | 63 | 90.6 | 89.3 | 90.3 | 89.3 | 91.0 | 94.6 | 95.3 | 95.2 | 101.4 | 103.4 | 109.0 | 116.4 | 109.1 | | | | | | | 164.4 |
| RADIAL 320, FT. | 80 | 92.8 | 92.2 | 92.7 | 90.7 | 93.2 | 93.3 | 95.6 | 97.6 | 103.7 | 108.7 | 112.5 | 115.8 | 111.9 | | | | | | | 165.5 |
| (98, M) | 100 | 93.7 | 94.2 | 92.9 | 93.3 | 95.0 | 95.0 | 97.4 | 98.9 | 103.8 | 110.5 | 113.7 | 115.3 | 111.2 | | | | | | | 165.9 |
| VEHICLE JENOTS | 125 | 95.3 | 92.9 | 95.0 | 93.5 | 94.8 | 96.7 | 97.9 | 98.9 | 105.6 | 111.9 | 113.0 | 113.4 | 111.1 | | | | | | | 165.6 |
| CONFIG JE-064 | 160 | 95.0 | 94.7 | 94.1 | 94.6 | 95.5 | 96.9 | 98.7 | 99.9 | 106.3 | 112.0 | 114.5 | 113.4 | 109.2 | | | | | | | 166.1 |
| LOC EVENDALE | 200 | 93.8 | 94.5 | 94.2 | 94.5 | 95.9 | 97.5 | 99.0 | 100.7 | 106.1 | 111.5 | 112.6 | 111.5 | 107.8 | | | | | | | 164.9 |
| DATE 05-20-75 | 250 | 95.3 | 94.1 | 93.3 | 95.7 | 96.6 | 97.9 | 99.5 | 101.6 | 106.4 | 110.9 | 111.9 | 110.8 | 107.2 | | | | | | | 164.3 |
| RUN DBTF=MODEL 9 | 315 | 94.8 | 94.0 | 94.5 | 94.0 | 95.0 | 96.8 | 99.1 | 100.8 | 105.4 | 109.1 | 111.0 | 109.7 | 105.3 | | | | | | | 163.3 |
| TAPE X73860 | 400 | 93.9 | 94.3 | 94.8 | 94.7 | 96.0 | 97.2 | 98.7 | 100.2 | 105.4 | 108.0 | 110.3 | 109.0 | 104.6 | | | | | | | 162.8 |
| BAR 29.3 HG | 500 | 93.1 | 92.7 | 93.9 | 93.8 | 95.3 | 96.1 | 99.0 | 100.8 | 104.6 | 107.0 | 108.5 | 106.8 | 102.2 | | | | | | | 161.5 |
| (98942, N/M2) | 630 | 94.5 | 95.2 | 93.6 | 93.8 | 95.5 | 97.1 | 99.0 | 101.8 | 104.8 | 106.7 | 108.3 | 106.2 | 102.0 | | | | | | | 161.5 |
| TAMB 80, DEG F | 800 | 95.7 | 95.4 | 94.7 | 94.8 | 95.9 | 96.8 | 99.1 | 100.6 | 103.2 | 105.0 | 107.1 | 106.2 | 103.2 | | | | | | | 160.8 |
| (300, DEG K) | 1000 | 96.6 | 96.6 | 96.1 | 95.8 | 95.9 | 97.0 | 99.4 | 100.8 | 102.0 | 104.3 | 106.6 | 106.0 | 103.8 | | | | | | | 160.8 |
| TWET 70, DEG F | 1250 | 96.8 | 97.8 | 97.4 | 97.1 | 97.3 | 97.3 | 99.6 | 100.4 | 101.8 | 103.0 | 105.6 | 105.6 | 103.9 | | | | | | | 160.5 |
| (294, DEG K) | 1600 | 95.7 | 97.3 | 97.3 | 97.7 | 97.7 | 98.2 | 99.3 | 99.5 | 100.4 | 102.0 | 104.5 | 104.7 | 102.8 | | | | | | | 160.0 |
| HACT 0, GM/M3 | 2000 | 93.4 | 95.1 | 95.9 | 97.6 | 97.1 | 97.6 | 98.1 | 98.0 | 98.9 | 99.6 | 103.1 | 103.1 | 100.5 | | | | | | | 158.7 |
| (, KG/M3) | 2500 | 90.7 | 92.6 | 94.2 | 94.4 | 94.6 | 95.6 | 95.9 | 96.2 | 96.4 | 97.8 | 100.6 | 100.9 | 98.2 | | | | | | | 156.7 |
| FREQ, SHIFT | 3150 | 86.5 | 89.0 | 90.9 | 90.9 | 91.9 | 93.0 | 93.5 | 93.9 | 93.8 | 95.0 | 98.0 | 98.8 | 95.5 | | | | | | | 154.6 |
| JET 9 | 4000 | 81.6 | 83.9 | 85.6 | 85.7 | 88.7 | 88.8 | 89.8 | 88.9 | 90.6 | 91.5 | 94.6 | 95.7 | 91.8 | | | | | | | 151.6 |
| DIAMETER RATIO | 5000 | 76.7 | 79.2 | 81.0 | 81.6 | 82.2 | 84.4 | 84.8 | 84.4 | 85.9 | 88.9 | 91.5 | 92.7 | 88.7 | | | | | | | 148.0 |
| DF/DH 8.00 | 6300 | 70.6 | 73.1 | 74.9 | 76.6 | 77.4 | 79.6 | 80.6 | 78.8 | 82.8 | 83.8 | 89.0 | 89.3 | 86.7 | | | | | | | 145.7 |
| OVERALL CALCULATED | 8000 | 66.2 | 68.1 | 69.5 | 76.1 | 75.1 | 77.6 | 77.6 | 75.1 | 82.2 | 83.8 | 88.2 | 88.2 | 86.5 | | | | | | | 146.6 |
| RNDB | 10000 | 64.8 | 65.3 | 67.1 | 77.8 | 76.7 | 78.7 | 78.7 | 74.6 | 84.6 | 86.2 | 89.9 | 88.2 | 86.6 | | | | | | | 150.5 |
| | | 107.0 | 107.2 | 107.2 | 107.4 | 108.2 | 109.3 | 121.0 | 121.8 | 116.4 | 120.7 | 122.8 | 123.9 | 120.1 | | | | | | | 175.8 |
| | | 115.9 | 116.9 | 117.9 | 118.3 | 128.7 | 119.6 | 120.7 | 121.8 | 123.7 | 126.5 | 128.7 | 128.9 | 123.8 | | | | | | | 177.1 |

ORIGINAL PAGE IS
 OF POOR QUALITY

PROC: DATE : MONTH 29 DAY 0 HR: 0:8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39' DEG, F, 70 PERCENT REL. HUM, DAY)

| SPL INPUT AT STD
REV, ALPHA 12/73 | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--|-------|--|------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|
| FREQ: (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.0) (0.0) (0.0) (0.0) | | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 170' | 180' | 190' |
| NO EGA | 50 | 66.1 | 66.7 | 67.9 | 69.0 | 72.1 | 73.1 | 75.5 | 74.6 | 79.1 | 84.1 | 80.9 | 87.2 | 83.4 | | | |
| SIDELINE 2400' FT | 63 | 68.9 | 69.2 | 71.3 | 71.0 | 73.1 | 76.9 | 77.6 | 77.0 | 82.4 | 85.4 | 87.3 | 92.4 | 81.6 | | | |
| (1731.52 M) | 80 | 71.1 | 72.1 | 73.7 | 72.4 | 75.3 | 78.5 | 77.7 | 79.3 | 84.6 | 88.6 | 90.7 | 91.8 | 84.3 | | | |
| NPA 0' RPM | 100 | 71.9 | 73.9 | 75.8 | 74.9 | 77.1 | 77.2 | 79.5 | 80.9 | 84.7 | 90.3 | 91.9 | 91.1 | 83.4 | | | |
| (0' RAD/SEC) | 125 | 73.4 | 72.6 | 75.8 | 75.0 | 76.8 | 78.8 | 79.9 | 80.4 | 86.4 | 91.5 | 91.0 | 89.1 | 83.1 | | | |
| NFK 0' RPM | 160 | 72.9 | 74.2 | 74.8 | 76.0 | 77.4 | 79.0 | 80.5 | 81.8 | 87.0 | 91.6 | 92.3 | 88.8 | 80.8 | | | |
| (0' RAD/SEC) | 200 | 71.5 | 73.9 | 74.7 | 75.8 | 77.7 | 79.4 | 80.8 | 82.0 | 86.7 | 90.9 | 90.5 | 86.7 | 79.0 | | | |
| NFD 0' RPM | 250 | 72.8 | 73.3 | 73.7 | 76.8 | 78.2 | 79.6 | 81.1 | 82.5 | 86.8 | 90.1 | 89.4 | 85.6 | 78.0 | | | |
| (0' RAD/SEC) | 315 | 71.9 | 72.9 | 74.6 | 74.9 | 76.4 | 78.3 | 80.5 | 81.7 | 85.5 | 88.0 | 88.1 | 84.1 | 75.4 | | | |
| AIRFLOW RATIO | 400 | 70.5 | 72.9 | 74.6 | 75.4 | 77.1 | 78.5 | 79.8 | 80.9 | 85.3 | 86.6 | 87.0 | 82.9 | 73.9 | | | |
| WF/WM 8.00 | 500 | 69.3 | 70.8 | 73.4 | 74.1 | 76.1 | 77.1 | 79.8 | 80.7 | 84.1 | 85.2 | 84.7 | 80.0 | 70.5 | | | |
| | 630 | 70.0 | 72.8 | 72.6 | 73.7 | 75.9 | 77.7 | 79.4 | 80.9 | 83.8 | 84.3 | 83.9 | 78.6 | 69.1 | | | |
| | 800 | 70.4 | 72.3 | 73.1 | 74.1 | 75.8 | 76.9 | 79.0 | 79.9 | 81.6 | 81.9 | 81.7 | 77.5 | 68.6 | | | |
| VEHICLE JENOTS | 1000 | 70.3 | 72.7 | 73.7 | 74.5 | 75.1 | 76.4 | 78.7 | 79.3 | 79.6 | 80.3 | 80.2 | 75.9 | 67.1 | | | |
| CONFIG JE-064 | 1250 | 69.2 | 72.8 | 74.1 | 74.9 | 75.7 | 76.1 | 78.0 | 78.2 | 78.5 | 78.0 | 78.0 | 73.8 | 64.7 | | | |
| LOC EVENDALE | 1600 | 66.2 | 70.8 | 72.7 | 74.5 | 75.0 | 75.7 | 76.6 | 76.1 | 75.8 | 75.5 | 75.0 | 70.4 | 60.0 | | | |
| DATE 05-20-75 | 2000 | 61.7 | 66.8 | 69.7 | 72.8 | 73.0 | 73.8 | 74.1 | 73.2 | 72.7 | 71.2 | 71.4 | 66.0 | 53.3 | | | |
| RUN DBTF-MODEL 7 | 2500 | 55.8 | 61.6 | 65.7 | 67.5 | 68.6 | 69.8 | 69.9 | 69.3 | 67.9 | 66.8 | 65.7 | 59.5 | 44.7 | | | |
| TAPE X73860 | 3150 | 46.5 | 53.8 | 58.7 | 60.6 | 62.6 | 64.1 | 64.3 | 63.3 | 61.7 | 59.8 | 57.9 | 50.8 | 32.0 | | | |
| PAN TIP SPEED | 4000 | 33.9 | 42.4 | 47.9 | 50.4 | 54.7 | 55.2 | 55.8 | 53.6 | 52.0 | 50.0 | 46.9 | 37.5 | 13.2 | | | |
| FT/SEC | 5000 | 24.6 | 34.0 | 40.1 | 43.4 | 45.4 | 48.1 | 48.0 | 46.1 | 45.0 | 41.6 | 39.3 | 28.7 | 1.4 | | | |
| | 6300 | 5.3 | 17.1 | 24.6 | 29.8 | 32.5 | 35.4 | 35.7 | 32.0 | 32.4 | 27.7 | 23.7 | 8.1 | | | | |
| | 8000 | | | 4.8 | 16.1 | 17.7 | 21.0 | 20.3 | 15.1 | 17.5 | 11.2 | 2.9 | | | | | |
| | 10000 | | | | 2.0 | 3.1 | 4.0 | | | | | | | | | | |
| OVERALL CALCULATED | | 82.9 | 84.6 | 85.9 | 86.8 | 88.4 | 89.8 | 91.4 | 92.5 | 96.3 | 99.8 | 100.1 | 99.2 | 91.5 | | | |
| PND8 | | 87.4 | 90.8 | 92.7 | 94.2 | 95.4 | 96.5 | 97.8 | 97.9 | 100.8 | 102.9 | 102.7 | 99.6 | 91.3 | | | |

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| | | ANGLES FROM INLET IN DEGREES (AND RADIALS) | | | | | | | | | | | | | | | | REL HUM, DAY - JENOTS | | | | PWL | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-----------------------|-------|--|--|-----|--|-----|
| | | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| SPL INPUT AT STD | | FREQ | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) | | | | | |
| REV, ALPHA 12/73 | | 50 | 93.2 | 92.5 | 92.3 | 92.4 | 95.9 | 97.0 | 103.3 | 99.3 | 105.8 | 111.6 | 109.0 | 118.0 | 114.7 | | | | | | | | | 167 |
| NO EGA | | 63 | 96.8 | 95.8 | 96.3 | 95.3 | 97.2 | 100.6 | 101.7 | 101.5 | 108.2 | 113.2 | 114.7 | 121.4 | 114.6 | | | | | | | | | 169 |
| RDG, NO. 0 | | 80 | 100.1 | 98.7 | 99.2 | 97.5 | 99.2 | 99.5 | 102.1 | 104.9 | 112.9 | 118.2 | 119.0 | 121.8 | 117.9 | | | | | | | | | 172 |
| RADIAL 320, FT. | | 100 | 101.5 | 100.7 | 100.2 | 100.3 | 101.5 | 101.8 | 103.4 | 105.9 | 112.3 | 118.3 | 121.2 | 121.3 | 115.7 | | | | | | | | | 172 |
| (98, M) | | 125 | 102.3 | 100.6 | 102.0 | 100.2 | 101.3 | 103.4 | 104.9 | 106.9 | 115.1 | 122.1 | 120.7 | 120.2 | 116.4 | | | | | | | | | 173 |
| VEHICLE JENOTS | | 160 | 103.5 | 102.7 | 102.1 | 102.3 | 103.0 | 104.2 | 106.4 | 107.4 | 115.8 | 122.3 | 121.7 | 120.7 | 115.4 | | | | | | | | | 174 |
| CONFIG JE=064 | | 200 | 101.3 | 102.2 | 102.2 | 102.3 | 103.9 | 105.3 | 106.3 | 108.2 | 114.9 | 120.5 | 120.4 | 118.0 | 113.5 | | | | | | | | | 172 |
| LOC EVENDALE | | 250 | 103.1 | 101.4 | 100.8 | 102.9 | 104.1 | 105.1 | 107.1 | 108.7 | 115.7 | 120.2 | 120.2 | 116.8 | 113.0 | | | | | | | | | 172 |
| DATE 05-20-75 | | 315 | 102.3 | 101.1 | 102.3 | 101.5 | 102.8 | 104.3 | 106.6 | 108.8 | 114.7 | 118.1 | 119.8 | 116.5 | 110.8 | | | | | | | | | 171 |
| RUN DBTF=MODEL 7 | | 400 | 101.4 | 101.1 | 101.5 | 101.5 | 102.8 | 104.2 | 106.2 | 108.2 | 114.5 | 117.8 | 118.3 | 115.3 | 109.4 | | | | | | | | | 171 |
| TAPE X70870 | | 500 | 101.2 | 99.9 | 100.2 | 100.8 | 102.0 | 103.7 | 106.0 | 108.8 | 114.1 | 116.8 | 116.0 | 112.3 | 107.7 | | | | | | | | | 169 |
| BAR 29.3 HG | | 630 | 102.3 | 100.4 | 101.4 | 100.8 | 102.5 | 103.7 | 106.3 | 109.2 | 113.8 | 115.8 | 115.4 | 111.7 | 106.8 | | | | | | | | | 169 |
| (98874, N/H2) | | 800 | 102.2 | 101.2 | 102.3 | 102.1 | 102.7 | 103.9 | 106.1 | 107.9 | 112.2 | 114.5 | 113.9 | 110.8 | 106.3 | | | | | | | | | 168 |
| TAMB 89, DEG F | | 1000 | 102.0 | 102.0 | 102.7 | 102.9 | 102.9 | 103.5 | 106.7 | 107.2 | 111.0 | 113.6 | 113.1 | 110.1 | 105.6 | | | | | | | | | 167 |
| (305, DEG K) | | 1250 | 101.2 | 101.7 | 103.0 | 103.7 | 103.9 | 104.8 | 106.6 | 107.0 | 110.1 | 112.6 | 112.2 | 109.4 | 105.2 | | | | | | | | | 167 |
| THET 73, DEG F | | 1600 | 100.1 | 99.9 | 101.9 | 102.8 | 103.3 | 104.6 | 106.2 | 107.8 | 108.7 | 111.1 | 110.8 | 108.3 | 103.7 | | | | | | | | | 166 |
| (296, DEG K) | | 2000 | 97.2 | 97.7 | 99.5 | 101.2 | 102.2 | 103.2 | 104.7 | 104.3 | 107.5 | 109.7 | 109.5 | 106.5 | 101.3 | | | | | | | | | 165 |
| HACT 01, GM/H3 | | 2500 | 94.5 | 94.7 | 97.0 | 98.3 | 99.5 | 101.0 | 102.3 | 102.6 | 105.5 | 108.2 | 107.7 | 104.0 | 98.8 | | | | | | | | | 163 |
| (1, KG/M3) | | 3150 | 91.7 | 92.2 | 94.5 | 95.0 | 96.5 | 97.9 | 99.4 | 99.4 | 103.5 | 105.7 | 105.8 | 102.4 | 96.6 | | | | | | | | | 161 |
| FREQ, SHIFT | | 4000 | 86.0 | 87.3 | 89.8 | 90.3 | 93.4 | 94.9 | 96.4 | 95.8 | 100.5 | 104.2 | 103.5 | 100.3 | 93.7 | | | | | | | | | 159 |
| JET 9 | | 5000 | 82.2 | 82.9 | 86.0 | 86.5 | 87.3 | 90.5 | 92.7 | 92.5 | 98.3 | 101.0 | 101.2 | 97.7 | 92.2 | | | | | | | | | 157 |
| DIAMETER RATIO | | 6300 | 76.8 | 77.8 | 80.8 | 81.2 | 83.0 | 87.8 | 89.3 | 88.5 | 98.2 | 99.2 | 100.1 | 97.2 | 93.1 | | | | | | | | | 157 |
| DF/DM 8.00 | | 8000 | 75.1 | 75.0 | 77.7 | 78.7 | 78.7 | 87.7 | 87.8 | 85.5 | 99.7 | 98.2 | 99.4 | 97.1 | 94.7 | | | | | | | | | 158 |
| | | 10000 | 75.4 | 75.2 | 77.0 | 79.0 | 78.1 | 89.4 | 88.8 | 85.5 | 102.3 | 97.8 | 100.8 | 99.6 | 97.3 | | | | | | | | | 163 |
| OVERALL CALCULATED | | | 113.6 | 112.9 | 113.6 | 113.8 | 114.8 | 116.1 | 118.1 | 119.6 | 125.5 | 130.1 | 130.3 | 129.9 | 125.1 | | | | | | | | | 183 |
| PNDR | | | 121.5 | 121.2 | 122.7 | 123.3 | 124.4 | 125.9 | 127.7 | 128.8 | 133.1 | 136.3 | 136.5 | 134.2 | 129.5 | | | | | | | | | 164 |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL. HUM, DAY)

| SPL INPUT AT STD
REV, ALPHA 12/73 | FREQ. | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | (0.0) | (0.0) | (0.0) | (0.0) |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) |
| NO EGA | 50 | 71.6 | 72.4 | 73.4 | 74.2 | 75.1 | 75.9 | 76.8 | 77.6 | 78.5 | 79.4 | 80.2 | 81.1 | 81.9 | | | | |
| SIDELINE 2400 FT | 63 | 75.2 | 75.7 | 77.3 | 77.0 | 79.4 | 82.9 | 83.9 | 83.2 | 89.2 | 93.1 | 93.1 | 97.4 | 87.1 | | | | |
| (731.52 M) | 80 | 78.3 | 78.6 | 80.2 | 79.2 | 81.3 | 81.8 | 84.2 | 86.6 | 93.9 | 98.1 | 97.2 | 97.8 | 90.3 | | | | |
| NFA 0 RPM | 100 | 79.6 | 80.5 | 81.0 | 81.9 | 83.6 | 84.0 | 85.5 | 87.5 | 93.2 | 98.1 | 99.4 | 97.1 | 87.9 | | | | |
| (0, RAD/SEC) | 125 | 80.4 | 80.3 | 82.8 | 81.8 | 83.3 | 85.6 | 86.9 | 88.5 | 95.9 | 101.8 | 98.8 | 95.8 | 88.3 | | | | |
| NFK 0 RPM | 160 | 81.4 | 82.2 | 82.8 | 83.8 | 84.9 | 86.2 | 88.3 | 88.8 | 96.3 | 101.8 | 99.6 | 96.1 | 87.1 | | | | |
| (0, RAD/SEC) | 200 | 79.0 | 81.6 | 82.7 | 83.6 | 85.7 | 87.2 | 88.1 | 89.5 | 95.5 | 99.9 | 98.0 | 93.2 | 84.8 | | | | |
| NFD 0 RPM | 250 | 80.5 | 80.5 | 81.2 | 84.1 | 85.8 | 86.9 | 88.7 | 89.8 | 96.1 | 99.3 | 97.6 | 91.7 | 83.7 | | | | |
| (0, RAD/SEC) | 315 | 77.4 | 80.0 | 82.4 | 82.4 | 84.2 | 85.8 | 88.0 | 89.8 | 94.8 | 97.0 | 96.9 | 90.9 | 80.9 | | | | |
| AIRFLOW RATIO | 400 | 78.1 | 79.6 | 81.4 | 82.1 | 83.9 | 85.5 | 87.3 | 88.9 | 94.3 | 96.3 | 95.0 | 89.2 | 78.7 | | | | |
| WF/WM 8.00 | 500 | 77.4 | 78.1 | 79.7 | 81.1 | 82.9 | 84.7 | 86.8 | 89.2 | 93.6 | 94.9 | 92.2 | 85.5 | 76.1 | | | | |
| | 630 | 77.8 | 78.0 | 80.4 | 80.7 | 82.9 | 84.3 | 86.7 | 89.2 | 92.8 | 93.4 | 90.9 | 84.1 | 73.9 | | | | |
| | 800 | 76.9 | 78.0 | 80.6 | 81.4 | 82.6 | 83.9 | 86.0 | 87.2 | 90.6 | 91.4 | 88.5 | 82.0 | 71.6 | | | | |
| VEHICLE JENOTS | 1000 | 75.6 | 78.0 | 80.3 | 81.6 | 82.2 | 83.0 | 86.0 | 85.8 | 88.7 | 89.6 | 86.8 | 79.9 | 68.9 | | | | |
| CONFIG JE-064 | 1250 | 73.5 | 76.6 | 79.7 | 81.5 | 82.3 | 83.4 | 85.1 | 84.8 | 86.9 | 87.6 | 84.3 | 77.6 | 66.0 | | | | |
| LOC EVENDALE | 1600 | 70.6 | 73.4 | 77.3 | 79.4 | 80.6 | 82.1 | 83.5 | 82.4 | 84.1 | 84.6 | 81.3 | 74.0 | 60.8 | | | | |
| DATE 05-20-75 | 2000 | 65.5 | 69.4 | 73.3 | 76.4 | 78.1 | 79.4 | 80.7 | 79.5 | 81.3 | 81.3 | 77.8 | 69.3 | 54.2 | | | | |
| RUN DBTF=MODEL 7 | 2500 | 59.6 | 63.8 | 68.6 | 71.4 | 73.5 | 75.2 | 76.2 | 75.7 | 77.0 | 77.2 | 72.8 | 62.7 | 45.4 | | | | |
| TAPE X70870 | 3150 | 51.6 | 56.9 | 62.3 | 64.7 | 67.3 | 69.0 | 70.2 | 69.2 | 71.3 | 70.5 | 65.8 | 54.4 | 33.2 | | | | |
| FAN TIP SPEED | 4000 | 38.3 | 45.8 | 52.1 | 55.0 | 59.4 | 61.4 | 62.4 | 60.5 | 62.8 | 62.6 | 55.8 | 42.2 | 15.2 | | | | |
| FT/SEC | 5000 | 30.0 | 37.7 | 45.1 | 48.3 | 50.6 | 54.2 | 55.9 | 54.5 | 57.4 | 55.8 | 49.0 | 33.7 | 4.9 | | | | |
| | 6300 | 11.5 | 21.8 | 30.5 | 34.4 | 38.2 | 43.5 | 44.4 | 41.7 | 47.9 | 43.1 | 34.8 | 16.0 | | | | | |
| | 8000 | | 2.4 | 12.9 | 18.8 | 21.4 | 31.2 | 30.4 | 25.5 | 34.9 | 25.6 | 14.0 | | | | | | |
| | 10000 | | | | 0.7 | 3.4 | 15.8 | 14.1 | 7.2 | 17.4 | 2.1 | | | | | | | |
| OVERALL CALCULATED | | 90.2 | 91.1 | 92.8 | 93.7 | 95.3 | 96.7 | 98.7 | 99.8 | 105.4 | 109.2 | 107.6 | 103.3 | 96.8 | | | | |
| PND8 | | 94.1 | 95.7 | 98.5 | 100.0 | 101.6 | 103.2 | 104.9 | 105.5 | 109.9 | 112.4 | 110.4 | 105.8 | 96.3 | | | | |

| SPL INPUT AT STD
REV, ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN\$) | | | | | | | | | | | | | | | PWL |
|--------------------------------------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|-------|
| | | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | |
| NO EGA | 50 | 88.4 | 88.2 | 87.8 | 87.9 | 90.9 | 92.2 | 94.8 | 94.8 | 100.3 | 106.6 | 104.3 | 113.0 | 112.7 | | | 162.7 |
| RDG, NO, 0 | 63 | 92.6 | 91.1 | 91.8 | 90.8 | 92.5 | 96.1 | 97.5 | 97.0 | 102.4 | 107.4 | 109.7 | 117.1 | 110.6 | | | 165.4 |
| RADIAL 320, FT. | 80 | 94.8 | 93.7 | 94.7 | 93.2 | 95.2 | 95.3 | 97.4 | 99.4 | 106.7 | 112.3 | 114.5 | 117.3 | 112.7 | | | 167.5 |
| (98, M) | 100 | 96.2 | 96.2 | 94.9 | 95.3 | 96.5 | 97.0 | 98.4 | 100.4 | 105.8 | 112.3 | 115.2 | 116.3 | 112.7 | | | 167.4 |
| VEHICLE JENOTS | 125 | 97.6 | 95.1 | 96.7 | 96.0 | 96.8 | 98.9 | 100.4 | 101.4 | 108.9 | 115.9 | 116.2 | 115.2 | 113.4 | | | 168.6 |
| CONFIG JE=064 | 160 | 98.0 | 97.5 | 97.1 | 97.3 | 98.2 | 99.2 | 100.9 | 102.1 | 108.8 | 115.1 | 116.7 | 115.2 | 111.9 | | | 168.5 |
| LOC EVENDALE | 200 | 98.1 | 96.7 | 96.7 | 96.8 | 98.4 | 99.8 | 101.5 | 103.0 | 108.7 | 114.3 | 114.6 | 113.5 | 110.3 | | | 167.3 |
| DATE 05-20-79 | 250 | 97.9 | 96.1 | 95.3 | 98.2 | 99.1 | 100.1 | 101.5 | 103.1 | 108.4 | 113.4 | 114.4 | 113.3 | 110.0 | | | 167.0 |
| RUN DBTF=MODEL 7 | 315 | 97.1 | 95.6 | 96.8 | 95.7 | 97.8 | 99.3 | 101.1 | 103.1 | 108.2 | 111.3 | 114.0 | 112.2 | 108.3 | | | 166.0 |
| TAPE X70890 | 400 | 96.2 | 95.6 | 96.8 | 97.0 | 98.0 | 99.2 | 101.2 | 102.5 | 107.7 | 111.0 | 114.1 | 111.5 | 106.4 | | | 165.8 |
| BAR 29.3 HG | 500 | 94.9 | 94.2 | 95.5 | 95.8 | 97.5 | 98.7 | 101.0 | 103.1 | 106.9 | 109.8 | 111.3 | 108.8 | 105.0 | | | 164.0 |
| (98840, N/M2) | 630 | 95.5 | 94.4 | 95.1 | 95.5 | 97.2 | 98.7 | 100.8 | 103.5 | 107.0 | 109.7 | 111.1 | 108.2 | 103.8 | | | 164.0 |
| TAMB 87, DEG F | 800 | 96.5 | 95.6 | 95.5 | 96.0 | 98.0 | 98.6 | 100.9 | 102.6 | 106.0 | 108.5 | 109.9 | 107.3 | 103.5 | | | 163.1 |
| (304, DEG K) | 1000 | 96.4 | 96.4 | 96.1 | 96.9 | 97.4 | 98.5 | 101.2 | 102.6 | 104.5 | 107.1 | 109.1 | 107.0 | 103.5 | | | 162.6 |
| THET 73, DEG F | 1250 | 96.1 | 96.4 | 96.9 | 97.4 | 97.8 | 98.5 | 100.9 | 102.5 | 103.9 | 106.1 | 107.9 | 106.4 | 104.0 | | | 162.1 |
| (296, DEG K) | 1600 | 95.5 | 95.9 | 97.1 | 97.0 | 98.2 | 98.8 | 100.6 | 100.3 | 102.2 | 104.3 | 106.5 | 105.5 | 102.4 | | | 161.1 |
| HACT 0: GM/M3 | 2000 | 92.7 | 93.9 | 95.5 | 96.4 | 98.9 | 97.9 | 99.2 | 99.0 | 100.5 | 102.9 | 105.2 | 103.9 | 100.3 | | | 159.9 |
| (, KG/M3) | 2500 | 89.5 | 90.9 | 93.0 | 93.5 | 94.4 | 95.1 | 96.7 | 97.5 | 98.2 | 100.3 | 102.9 | 100.9 | 98.0 | | | 157.7 |
| FREQ, SHIFT | 3150 | 85.6 | 87.3 | 89.9 | 89.7 | 91.2 | 92.1 | 93.6 | 94.1 | 95.4 | 97.1 | 100.0 | 98.9 | 95.8 | | | 155.3 |
| JET 9 | 4000 | 80.4 | 82.0 | 84.4 | 84.2 | 87.3 | 88.1 | 89.6 | 89.7 | 92.4 | 93.8 | 97.7 | 98.7 | 91.9 | | | 152.6 |
| DIAMETER RATIO | 5000 | 75.8 | 77.8 | 80.1 | 80.9 | 81.5 | 83.4 | 85.1 | 84.9 | 88.2 | 89.4 | 94.1 | 93.1 | 88.6 | | | 149.2 |
| DF/DH 8.00 | 6300 | 73.2 | 73.2 | 75.5 | 76.4 | 77.0 | 79.0 | 79.9 | 79.4 | 88.1 | 87.6 | 92.3 | 90.4 | 85.7 | | | 148.1 |
| OVERALL CALCULATED | 8000 | 73.8 | 72.9 | 74.9 | 76.7 | 75.9 | 77.7 | 77.5 | 75.9 | 90.3 | 85.9 | 90.3 | 89.8 | 86.6 | | | 149.5 |
| PNDB | 10000 | 75.6 | 74.9 | 76.4 | 78.7 | 77.0 | 79.8 | 78.3 | 74.5 | 93.5 | 86.8 | 91.5 | 90.0 | 87.7 | | | 153.9 |
| | | 108.3 | 107.7 | 108.3 | 100.5 | 109.8 | 110.9 | 112.8 | 114.2 | 116.9 | 123.6 | 125.2 | 128.4 | 121.8 | | | 178.0 |
| | | 116.5 | 116.6 | 117.8 | 118.3 | 119.3 | 120.4 | 121.9 | 122.7 | 126.0 | 129.1 | 131.4 | 138.1 | 126.5 | | | 179.2 |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV, ALPHA 12/73 | FREQ. | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | (0.0) | (0.0) | (0.0) | (0.0) |
|--------------------------------------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | (0.707) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) |
| NO EGA | 50 | 66.8 | 68.2 | 68.9 | 69.7 | 73.1 | 74.6 | 77.0 | 76.4 | 81.4 | 86.6 | 82.7 | 89.2 | 85.4 | | | | |
| SIDELINE 2400 FT. | 63 | 70.9 | 71.0 | 72.8 | 72.9 | 74.6 | 78.4 | 79.6 | 78.7 | 83.4 | 87.4 | 88.1 | 93.2 | 83.1 | | | | |
| (731.52 M) | 80 | 73.1 | 73.6 | 75.7 | 74.9 | 77.3 | 77.5 | 79.5 | 81.1 | 87.6 | 92.1 | 92.7 | 93.3 | 85.1 | | | | |
| NFA 0 RPM | 100 | 74.4 | 75.9 | 75.8 | 76.9 | 78.6 | 79.2 | 80.5 | 82.0 | 86.7 | 92.0 | 93.4 | 92.1 | 84.9 | | | | |
| (0, RAD/SEC) | 125 | 75.6 | 74.8 | 77.9 | 77.5 | 78.8 | 81.1 | 82.4 | 83.0 | 89.7 | 93.5 | 94.3 | 90.8 | 85.3 | | | | |
| NFK 0 RPM | 160 | 75.9 | 77.0 | 77.8 | 78.8 | 80.1 | 81.2 | 82.8 | 83.6 | 89.5 | 94.6 | 94.6 | 90.6 | 83.6 | | | | |
| (0, RAD/SEC) | 200 | 73.7 | 76.1 | 77.2 | 78.1 | 80.2 | 81.7 | 83.3 | 84.3 | 89.2 | 93.6 | 92.3 | 88.7 | 81.5 | | | | |
| NFD 0 RPM | 250 | 75.3 | 75.3 | 75.7 | 79.3 | 80.7 | 81.9 | 83.2 | 84.3 | 88.8 | 92.6 | 91.9 | 88.1 | 80.7 | | | | |
| (0, RAD/SEC) | 315 | 74.2 | 74.5 | 76.9 | 76.7 | 79.2 | 80.8 | 82.5 | 84.0 | 88.3 | 90.2 | 91.1 | 86.6 | 78.4 | | | | |
| AIRFLOW RATIO | 400 | 72.9 | 74.1 | 76.6 | 77.6 | 79.1 | 80.5 | 82.3 | 83.2 | 87.5 | 89.6 | 90.8 | 85.4 | 75.7 | | | | |
| WF/WM 8.00 | 500 | 71.1 | 72.3 | 75.0 | 76.1 | 78.4 | 79.7 | 81.8 | 83.4 | 86.4 | 87.9 | 87.5 | 82.0 | 73.3 | | | | |
| VEHICLE JENOTS | 630 | 71.0 | 72.0 | 74.1 | 75.9 | 77.7 | 79.3 | 81.2 | 83.4 | 86.0 | 87.4 | 86.7 | 80.6 | 70.9 | | | | |
| CONFIG JE=064 | 800 | 71.2 | 72.5 | 73.8 | 75.4 | 77.9 | 78.6 | 80.8 | 81.9 | 84.4 | 85.4 | 84.5 | 78.5 | 68.9 | | | | |
| LOC EVENDALE | 1000 | 70.1 | 72.5 | 73.8 | 75.5 | 76.7 | 77.9 | 80.4 | 81.3 | 82.2 | 83.1 | 82.8 | 76.9 | 66.9 | | | | |
| DATE 05-20-75 | 1250 | 68.9 | 71.4 | 73.6 | 75.2 | 76.3 | 77.2 | 79.3 | 80.8 | 80.6 | 81.1 | 80.3 | 74.6 | 64.8 | | | | |
| RUN DBTF=MODEL 7 | 1600 | 66.0 | 69.3 | 72.5 | 73.6 | 75.5 | 76.3 | 77.9 | 76.9 | 77.5 | 77.8 | 77.0 | 71.2 | 59.5 | | | | |
| TAPE X70890 | 2000 | 61.0 | 65.6 | 69.3 | 71.6 | 72.8 | 74.1 | 75.1 | 74.2 | 74.3 | 74.5 | 73.5 | 66.8 | 53.1 | | | | |
| FAN TIP SPEED | 2500 | 54.6 | 59.9 | 64.5 | 66.6 | 68.4 | 69.4 | 70.7 | 70.6 | 69.7 | 69.4 | 68.0 | 59.6 | 44.5 | | | | |
| FT/SEC | 3150 | 45.5 | 52.1 | 57.7 | 59.4 | 61.9 | 63.2 | 64.4 | 63.6 | 63.2 | 61.9 | 60.0 | 50.8 | 32.3 | | | | |
| | 4000 | 32.7 | 40.4 | 46.7 | 48.9 | 53.3 | 54.5 | 55.6 | 54.4 | 54.7 | 52.3 | 49.9 | 37.6 | 13.3 | | | | |
| | 5000 | 23.6 | 32.6 | 39.2 | 42.7 | 44.7 | 47.1 | 48.3 | 46.7 | 47.3 | 44.2 | 41.9 | 29.1 | 1.2 | | | | |
| | 6300 | 7.9 | 17.2 | 25.2 | 29.6 | 32.1 | 34.7 | 35.0 | 32.6 | 37.8 | 31.5 | 27.0 | 9.2 | | | | | |
| | 8000 | | 0.3 | 10.1 | 16.7 | 28.6 | 21.1 | 20.1 | 16.8 | 25.6 | 13.3 | 5.0 | | | | | | |
| OVERALL CALCULATED | 10000 | | | | 0.4 | 2.3 | 6.2 | 3.6 | | 8.6 | | | | | | | | |
| PND8 | | 84.8 | 85.9 | 87.5 | 88.5 | 90.3 | 91.7 | 93.4 | 94.4 | 98.8 | 102.7 | 102.5 | 100.7 | 93.4 | | | | |
| | | 88.7 | 90.6 | 93.3 | 94.6 | 98.5 | 97.6 | 99.3 | 99.9 | 103.1 | 105.7 | 105.5 | 101.6 | 93.2 | | | | |

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANVS) | | | | | | | | | | | | | | | | PWL | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--|--|--|
| REV, ALPHA 12/73 | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) | | | |
| NO EGA | 50 | 84.7 | 85.5 | 84.8 | 85.2 | 87.4 | 88.5 | 90.3 | 90.3 | 96.1 | 101.3 | 99.0 | 107.8 | 107.7 | | | | 157.7 | | | |
| RDG, NO, 0 | 63 | 87.8 | 87.1 | 87.8 | 87.0 | 88.2 | 92.1 | 92.7 | 91.7 | 97.4 | 101.2 | 104.0 | 112.4 | 105.3 | | | | 161.3 | | | |
| RADIAL 320, FT. | 80 | 90.1 | 89.2 | 90.2 | 89.0 | 90.5 | 90.3 | 92.9 | 94.9 | 100.9 | 103.0 | 108.5 | 112.8 | 108.9 | | | | 162.3 | | | |
| (98, M) | 100 | 90.5 | 90.7 | 90.2 | 90.8 | 91.5 | 91.8 | 93.7 | 95.6 | 99.1 | 103.8 | 106.7 | 109.3 | 108.0 | | | | 160.2 | | | |
| VEHICLE JENOTS | 125 | 90.8 | 89.1 | 91.5 | 90.7 | 91.3 | 93.4 | 94.9 | 95.9 | 101.9 | 105.9 | 106.0 | 106.7 | 105.1 | | | | 159.7 | | | |
| CONFIG JE-064 | 160 | 90.3 | 91.0 | 91.1 | 91.3 | 93.0 | 94.5 | 95.7 | 96.7 | 102.1 | 105.6 | 105.7 | 104.4 | 101.9 | | | | 159.1 | | | |
| LOC EVENDALE | 200 | 89.3 | 91.0 | 90.7 | 91.8 | 93.2 | 95.0 | 94.0 | 97.5 | 102.2 | 104.3 | 103.9 | 103.0 | 100.5 | | | | 158.2 | | | |
| DATE 05-20-75 | 250 | 91.4 | 91.1 | 90.6 | 92.4 | 94.7 | 94.9 | 97.1 | 97.4 | 102.7 | 103.2 | 104.7 | 103.8 | 99.7 | | | | 158.5 | | | |
| RUN DBTF-MODEL 7 | 315 | 91.1 | 91.3 | 92.0 | 91.7 | 93.0 | 94.6 | 96.1 | 97.8 | 102.2 | 103.1 | 104.0 | 102.7 | 99.0 | | | | 158.0 | | | |
| TAPE X70910 | 400 | 91.2 | 90.8 | 92.5 | 93.0 | 93.8 | 95.2 | 96.4 | 97.5 | 102.0 | 102.5 | 103.3 | 102.5 | 100.4 | | | | 157.8 | | | |
| BAR 29.3 HG | 500 | 90.2 | 90.4 | 91.7 | 93.1 | 94.0 | 94.9 | 97.0 | 98.8 | 101.1 | 102.5 | 102.5 | 102.3 | 100.2 | | | | 157.7 | | | |
| (98874, N/M2) | 630 | 89.8 | 90.4 | 92.1 | 92.6 | 94.7 | 95.5 | 96.8 | 99.7 | 102.0 | 102.8 | 103.9 | 103.7 | 102.6 | | | | 158.6 | | | |
| TAMB 89, DEG F | 800 | 90.2 | 90.7 | 92.0 | 93.3 | 94.2 | 95.6 | 97.6 | 99.4 | 100.7 | 102.3 | 104.1 | 104.8 | 103.3 | | | | 158.7 | | | |
| (305, DEG K) | 1000 | 89.7 | 90.2 | 91.4 | 92.6 | 93.9 | 95.3 | 97.7 | 98.9 | 99.8 | 100.6 | 103.1 | 104.3 | 103.1 | | | | 158.1 | | | |
| THET 73, DEG F | 1250 | 89.2 | 89.7 | 90.2 | 92.4 | 93.9 | 94.5 | 97.6 | 98.5 | 98.9 | 99.9 | 101.7 | 103.9 | 102.7 | | | | 157.6 | | | |
| (296, DEG K) | 1600 | 87.8 | 87.7 | 89.4 | 91.3 | 93.0 | 94.8 | 96.7 | 96.8 | 97.7 | 98.6 | 101.1 | 102.5 | 101.4 | | | | 156.7 | | | |
| HACT 0, GM/H3 | 2000 | 85.0 | 86.0 | 87.0 | 89.7 | 91.5 | 93.7 | 95.0 | 95.6 | 96.0 | 96.9 | 99.7 | 101.0 | 98.8 | | | | 155.3 | | | |
| (, KG/H3) | 2500 | 82.8 | 83.2 | 85.0 | 86.6 | 88.3 | 90.7 | 92.3 | 93.6 | 93.8 | 95.2 | 97.2 | 99.0 | 96.3 | | | | 153.2 | | | |
| FREQ SHIFT | 3150 | 79.4 | 80.2 | 81.5 | 83.3 | 85.3 | 87.7 | 89.7 | 89.7 | 91.0 | 91.4 | 94.6 | 96.2 | 93.6 | | | | 150.7 | | | |
| JET 9 | 4000 | 73.8 | 74.8 | 76.5 | 77.3 | 81.4 | 82.9 | 84.7 | 85.3 | 86.8 | 87.9 | 91.0 | 93.1 | 89.5 | | | | 147.5 | | | |
| DIAHETER RATIO | 5000 | 69.4 | 69.9 | 72.2 | 73.0 | 75.6 | 78.0 | 79.4 | 81.0 | 82.1 | 83.5 | 86.7 | 89.9 | 86.9 | | | | 144.0 | | | |
| DF/DM 8.00 | 6300 | 64.5 | 64.8 | 66.6 | 67.2 | 73.0 | 75.0 | 76.3 | 75.5 | 80.4 | 81.9 | 86.1 | 87.5 | 84.8 | | | | 143.1 | | | |
| OVERALL CALCULATED | 8000 | 64.3 | 63.7 | 65.9 | 67.2 | 74.5 | 76.7 | 76.3 | 73.2 | 81.9 | 83.2 | 86.7 | 86.9 | 86.2 | | | | 145.5 | | | |
| PND8 | 10000 | 65.7 | 65.0 | 66.5 | 68.7 | 77.3 | 79.1 | 78.6 | 74.5 | 84.5 | 85.8 | 89.6 | 88.8 | 87.0 | | | | 150.4 | | | |
| | | 102.1 | 102.2 | 103.1 | 103.9 | 105.3 | 106.7 | 108.9 | 109.9 | 113.0 | 115.3 | 116.7 | 119.2 | 116.4 | | | | 171.3 | | | |
| | | 109.7 | 109.9 | 111.1 | 112.5 | 114.4 | 116.2 | 117.8 | 118.6 | 120.7 | 122.2 | 124.2 | 128.5 | 123.4 | | | | 172.6 | | | |

1061

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59: DEG: F, 70 PERCENT RFL: HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV, ALPHA 12/73 | FREQ. | 40: | 50: | 60: | 70: | 80: | 90: | 100: | 110: | 120: | 130: | 140: | 150: | 160: | (0.0:) | (0.0:) | (0.0:) | (0.0:) |
|--------------------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|--------|--------|
| NO EGA | 50 | 63.1 | 65.4 | 65.9 | 67.0 | 69.6 | 70.8 | 72.5 | 72.1 | 77.1 | 81.3 | 77.4 | 83.9 | 80.4 | | | | |
| SIDELINE 2400: FT: | 63 | 66.2 | 67.0 | 68.8 | 68.8 | 70.4 | 74.4 | 74.9 | 73.5 | 78.4 | 81.1 | 82.3 | 88.4 | 77.9 | | | | |
| (731.52 M) | 80 | 68.3 | 69.1 | 71.2 | 70.7 | 72.6 | 72.5 | 75.0 | 76.6 | 81.9 | 84.8 | 86.7 | 88.8 | 81.3 | | | | |
| NFA | 100 | 68.6 | 70.5 | 71.0 | 72.4 | 73.6 | 74.0 | 75.7 | 77.3 | 79.9 | 83.6 | 84.9 | 85.1 | 80.2 | | | | |
| (0: RPM | 125 | 68.9 | 68.8 | 72.3 | 72.3 | 73.3 | 75.6 | 76.9 | 77.9 | 82.7 | 89.5 | 84.0 | 82.3 | 77.1 | | | | |
| (0: RAD/SEC) | 160 | 68.1 | 70.5 | 71.8 | 72.8 | 74.9 | 76.9 | 77.6 | 78.1 | 82.8 | 85.1 | 83.6 | 79.8 | 73.6 | | | | |
| NFK | 200 | 67.0 | 70.4 | 71.2 | 73.1 | 75.0 | 76.9 | 77.8 | 78.8 | 82.7 | 83.6 | 81.5 | 78.2 | 71.8 | | | | |
| (0: RAD/SEC) | 250 | 68.8 | 70.3 | 70.9 | 73.6 | 76.3 | 76.6 | 78.7 | 78.6 | 83.1 | 82.3 | 82.2 | 78.7 | 70.5 | | | | |
| NFD | 315 | 68.2 | 70.2 | 72.1 | 72.7 | 74.4 | 76.1 | 77.8 | 78.8 | 82.3 | 82.0 | 81.1 | 77.1 | 69.2 | | | | |
| (0: RAD/SEC) | 400 | 67.9 | 69.4 | 72.4 | 73.6 | 74.9 | 76.5 | 77.6 | 78.2 | 81.8 | 81.1 | 80.0 | 76.4 | 69.7 | | | | |
| AIRFLOW RATIO | 500 | 66.4 | 68.6 | 71.2 | 73.4 | 74.9 | 75.9 | 77.8 | 79.2 | 80.6 | 80.7 | 78.7 | 75.5 | 68.6 | | | | |
| WF/WK 8.00 | 630 | 65.3 | 68.0 | 71.1 | 72.5 | 75.2 | 76.1 | 77.2 | 79.7 | 81.0 | 80.4 | 79.4 | 76.1 | 69.6 | | | | |
| | 800 | 64.9 | 67.5 | 70.4 | 72.6 | 74.1 | 75.7 | 77.5 | 78.9 | 79.1 | 79.2 | 78.8 | 76.0 | 68.6 | | | | |
| VEHICLE JENOYS | 1000 | 63.4 | 66.3 | 69.1 | 71.3 | 73.2 | 74.7 | 77.0 | 77.6 | 77.4 | 76.6 | 76.8 | 74.2 | 66.4 | | | | |
| CONFIG JE064 | 1250 | 61.5 | 64.6 | 66.9 | 70.3 | 72.3 | 73.2 | 76.1 | 76.3 | 75.6 | 74.9 | 74.0 | 72.1 | 63.5 | | | | |
| LOC EVENDALE | 1600 | 58.3 | 61.1 | 64.8 | 67.9 | 70.3 | 72.3 | 74.0 | 73.4 | 73.1 | 72.1 | 71.6 | 68.3 | 58.6 | | | | |
| DATE 05-20-75 | 2000 | 53.3 | 57.6 | 60.8 | 64.9 | 67.4 | 69.9 | 70.9 | 70.8 | 69.8 | 68.6 | 68.0 | 63.8 | 51.7 | | | | |
| RUN DBTF=MODEL 7 | 2500 | 47.9 | 52.3 | 56.6 | 59.6 | 62.2 | 65.0 | 66.2 | 66.7 | 65.3 | 64.2 | 62.3 | 57.7 | 42.9 | | | | |
| TAPE X70910 | 3150 | 39.4 | 44.9 | 49.3 | 53.0 | 56.0 | 58.8 | 60.4 | 59.4 | 58.8 | 56.2 | 54.6 | 48.1 | 30.2 | | | | |
| FAN TIP SPEED | 4000 | 26.1 | 33.3 | 38.8 | 42.0 | 47.4 | 49.4 | 50.7 | 50.0 | 49.1 | 48.4 | 43.3 | 34.9 | 10.9 | | | | |
| FT/SEC | 5000 | 17.2 | 24.7 | 31.3 | 34.8 | 38.8 | 41.7 | 42.7 | 42.6 | 41.2 | 38.3 | 34.5 | 25.9 | | | | | |
| | 6300 | | 8.8 | 16.3 | 20.4 | 28.2 | 30.8 | 31.4 | 28.9 | 30.1 | 29.9 | 20.8 | 6.3 | | | | | |
| | 8000 | | | 1.2 | 7.3 | 17.1 | 20.2 | 38.9 | 13.3 | 17.2 | 10.6 | 1.3 | | | | | | |
| | 10000 | | | | | 2.6 | 5.5 | 3.9 | | | | | | | | | | |
| OVERALL CALCULATED | | 78.8 | 80.6 | 82.6 | 84.1 | 85.9 | 87.3 | 88.9 | 89.7 | 92.8 | 94.1 | 93.7 | 94.3 | 87.5 | | | | |
| PNDB | | 82.4 | 84.7 | 87.5 | 89.3 | 91.6 | 93.4 | 95.0 | 99.4 | 97.4 | 92.4 | 96.6 | 95.0 | 87.3 | | | | |

MODEL 8

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. PNL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------------|--|-------|
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | 50 | 77.2 | 76.5 | 77.8 | 79.4 | 80.4 | 80.7 | 81.6 | 83.8 | 85.3 | 87.8 | 86.3 | 93.3 | 95.5 | 97.1 | | | | | 147.1 |
| NO EGA | 63 | 79.3 | 79.8 | 81.3 | 80.3 | 81.0 | 82.4 | 84.2 | 85.5 | 86.4 | 87.7 | 89.2 | 95.4 | 95.6 | 96.1 | | | | | 147.9 |
| RDG. NO. 0. | 80 | 80.1 | 81.5 | 82.7 | 81.5 | 82.2 | 83.0 | 84.9 | 86.4 | 87.2 | 88.0 | 90.2 | 94.6 | 96.2 | 97.6 | | | | | 148.4 |
| RADIAL 320. FT. | 100 | 80.0 | 81.9 | 82.6 | 82.8 | 83.3 | 83.3 | 84.7 | 87.4 | 88.0 | 90.5 | 92.5 | 94.8 | 94.2 | 98.5 | | | | | 148.9 |
| (98. M) | 125 | 81.8 | 81.4 | 83.8 | 83.4 | 83.3 | 84.9 | 86.2 | 87.4 | 88.7 | 90.9 | 92.0 | 94.2 | 93.4 | 93.2 | | | | | 148.1 |
| VEHICLE JENOTS | 160 | 82.3 | 82.5 | 83.9 | 83.6 | 83.8 | 84.7 | 86.2 | 87.5 | 88.0 | 90.9 | 93.1 | 94.0 | 92.7 | 90.2 | | | | | 148.0 |
| CONFIG JE-053 | 200 | 81.4 | 82.5 | 83.0 | 83.5 | 83.9 | 85.0 | 86.1 | 87.5 | 87.9 | 89.6 | 91.9 | 94.0 | 89.7 | 87.5 | | | | | 147.2 |
| LOC EVENDALE | 250 | 82.7 | 82.2 | 81.9 | 84.3 | 84.6 | 84.7 | 84.9 | 87.4 | 87.3 | 89.2 | 91.3 | 92.1 | 88.4 | 85.9 | | | | | 146.5 |
| DATE 04-07-75 | 315 | 81.9 | 82.9 | 82.6 | 81.9 | 82.7 | 83.6 | 84.6 | 86.3 | 87.2 | 89.2 | 89.6 | 90.8 | 87.1 | 84.9 | | | | | 145.6 |
| RUN DBTF- R-320 | 400 | 80.8 | 82.6 | 82.5 | 81.9 | 82.8 | 83.1 | 83.8 | 85.6 | 86.3 | 88.3 | 88.9 | 89.8 | 86.1 | 83.6 | | | | | 144.9 |
| TAPE X80010 | 500 | 79.5 | 81.8 | 81.6 | 81.4 | 82.5 | 82.9 | 83.5 | 85.5 | 86.1 | 87.5 | 87.6 | 87.4 | 83.6 | 81.6 | | | | | 143.9 |
| BAR 29.9 HG | 630 | 79.1 | 81.4 | 81.0 | 81.5 | 81.4 | 83.0 | 84.4 | 85.4 | 85.7 | 87.6 | 87.8 | 86.8 | 83.1 | 80.2 | | | | | 143.9 |
| (01039, N/M2) | 800 | 78.3 | 80.9 | 80.8 | 81.4 | 81.7 | 82.8 | 83.0 | 84.2 | 85.1 | 87.0 | 86.4 | 85.8 | 82.7 | 79.4 | | | | | 143.2 |
| TAMB 59, DEG F | 1000 | 77.6 | 80.4 | 80.6 | 81.3 | 81.6 | 82.2 | 82.1 | 84.0 | 84.3 | 85.7 | 86.0 | 84.8 | 81.5 | 79.5 | | | | | 142.6 |
| (288, DEG K) | 1250 | 76.9 | 80.1 | 80.6 | 81.2 | 81.6 | 81.8 | 82.2 | 83.7 | 84.3 | 85.6 | 85.1 | 83.7 | 81.4 | 79.0 | | | | | 142.4 |
| TWET 53, DEG F | 1600 | 75.8 | 79.6 | 79.8 | 80.7 | 81.6 | 81.3 | 81.6 | 82.9 | 83.9 | 85.0 | 84.6 | 82.6 | 80.3 | 77.4 | | | | | 142.0 |
| (285, DEG K) | 2000 | 75.2 | 80.2 | 79.7 | 79.8 | 81.2 | 81.2 | 81.8 | 82.8 | 82.9 | 83.5 | 82.7 | 81.7 | 79.5 | 76.3 | | | | | 141.5 |
| HACT 8.91 GH/M3 | 2500 | 76.3 | 82.6 | 81.8 | 82.6 | 83.4 | 83.8 | 84.7 | 86.7 | 86.6 | 85.1 | 82.2 | 80.7 | 79.0 | 77.6 | | | | | 144.1 |
| (.00891 KG/M3) | 3150 | 81.4 | 90.6 | 89.6 | 90.0 | 90.0 | 91.7 | 91.9 | 94.1 | 94.1 | 91.9 | 88.7 | 84.8 | 83.7 | 81.4 | | | | | 151.8 |
| FREQ. SHIFT | 4000 | 74.0 | 82.8 | 82.1 | 81.5 | 81.1 | 82.6 | 82.2 | 85.9 | 83.8 | 83.2 | 81.9 | 79.0 | 77.1 | 74.2 | | | | | 143.5 |
| JET 9 | 5000 | 68.5 | 76.7 | 76.4 | 77.2 | 77.5 | 77.6 | 82.5 | 77.4 | 76.8 | 75.8 | 75.0 | 72.2 | 71.7 | 69.2 | | | | | 139.3 |
| DIAMETER RATIO | 6300 | 65.7 | 75.4 | 75.2 | 75.0 | 74.9 | 77.5 | 81.7 | 79.9 | 77.9 | 75.8 | 74.1 | 70.3 | 69.9 | 68.2 | | | | | 140.1 |
| DF/DH 8.00 | 8000 | 62.3 | 70.7 | 71.4 | 71.1 | 70.6 | 71.2 | 73.6 | 74.2 | 72.9 | 72.3 | 70.9 | 69.3 | 67.5 | 67.3 | | | | | 136.7 |
| | 10000 | 58.2 | 67.6 | 68.1 | 68.4 | 68.6 | 69.0 | 71.0 | 72.2 | 69.7 | 72.2 | 69.2 | 70.2 | 67.5 | 68.4 | | | | | 137.4 |
| OVERALL CALCULATED | | 92.8 | 95.9 | 95.9 | 96.1 | 96.5 | 97.5 | 98.3 | 100.0 | 100.4 | 101.4 | 102.1 | 104.1 | 103.4 | 104.4 | | | | | 159.6 |
| PNOB | | 103.9 | 110.4 | 109.9 | 110.2 | 110.4 | 111.6 | 112.5 | 114.0 | 114.1 | 113.4 | 112.0 | 110.6 | 108.9 | 107.3 | | | | | 1.3 |

160.9

1063

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. | ALPHA 12/73 | FREQ. | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | | 50 | 53.3 | 54.9 | 57.8 | 60.5 | 62.2 | 62.9 | 63.9 | 66.0 | 67.1 | 68.9 | 66.2 | 71.7 | 71.6 | 69.8 | | | |
| | NO EGA | 63 | 55.4 | 58.2 | 61.2 | 61.3 | 62.7 | 64.5 | 66.5 | 67.6 | 68.2 | 68.7 | 69.1 | 73.7 | 71.6 | 68.6 | | | |
| | SIDELINE 2400. FT. | 80 | 56.0 | 59.7 | 62.6 | 62.4 | 63.9 | 65.1 | 67.1 | 68.5 | 68.9 | 68.9 | 70.1 | 72.8 | 72.1 | 70.0 | | | |
| | (731.52 M) | 100 | 55.8 | 60.1 | 62.4 | 63.7 | 64.9 | 65.3 | 66.9 | 69.4 | 69.7 | 71.4 | 72.2 | 72.9 | 70.0 | 70.7 | | | |
| | NFA 0. RPM | 125 | 57.5 | 59.4 | 63.5 | 64.2 | 64.8 | 66.9 | 68.3 | 69.3 | 70.2 | 71.7 | 71.7 | 72.2 | 69.0 | 65.2 | | | |
| | (0. RAD/SEC) | 160 | 57.7 | 60.3 | 63.4 | 64.3 | 65.2 | 66.6 | 68.2 | 69.3 | 69.4 | 71.6 | 72.7 | 71.9 | 68.1 | 61.9 | | | |
| | NFK 0. RPM | 200 | 56.5 | 60.2 | 62.3 | 64.1 | 65.2 | 66.8 | 68.0 | 69.3 | 69.2 | 70.1 | 71.3 | 71.7 | 64.9 | 58.8 | | | |
| | (0. RAD/SEC) | 250 | 57.6 | 59.6 | 61.0 | 64.6 | 65.7 | 66.3 | 66.6 | 69.0 | 68.5 | 69.6 | 70.4 | 69.5 | 63.3 | 56.6 | | | |
| | NFD 0. RPM | 315 | 56.4 | 60.1 | 61.6 | 62.0 | 63.7 | 65.0 | 66.1 | 67.7 | 68.1 | 69.4 | 68.6 | 67.9 | 61.5 | 55.0 | | | |
| | (0. RAD/SEC) | 400 | 54.7 | 59.3 | 61.1 | 61.8 | 63.5 | 64.2 | 65.1 | 66.7 | 67.0 | 68.2 | 67.5 | 66.5 | 59.9 | 52.9 | | | |
| | AIRFLOW RATIO | 500 | 52.7 | 58.0 | 59.7 | 60.9 | 62.8 | 63.7 | 64.4 | 66.4 | 66.5 | 67.0 | 65.8 | 63.6 | 56.9 | 49.9 | | | |
| | WF/HM 8.00 | 630 | 51.5 | 56.9 | 58.6 | 60.5 | 61.3 | 63.4 | 65.0 | 65.8 | 65.6 | 66.6 | 65.5 | 62.3 | 55.5 | 47.3 | | | |
| | | 800 | 49.6 | 55.6 | 57.7 | 59.8 | 61.0 | 62.7 | 63.0 | 64.1 | 64.5 | 65.4 | 63.3 | 60.4 | 53.9 | 44.8 | | | |
| | VEHICLE JENOTS | 1000 | 47.5 | 54.0 | 56.7 | 59.0 | 60.3 | 61.4 | 61.5 | 63.3 | 63.0 | 63.4 | 62.1 | 58.4 | 51.4 | 42.8 | | | |
| | CONFIG JE-053 | 1250 | 45.1 | 52.5 | 55.6 | 57.9 | 59.5 | 60.3 | 60.8 | 62.2 | 62.1 | 62.3 | 60.1 | 56.0 | 49.6 | 39.8 | | | |
| | LOC EVENDALE | 1600 | 41.6 | 50.1 | 53.4 | 56.1 | 58.2 | 58.6 | 59.1 | 60.3 | 60.5 | 60.4 | 58.1 | 53.1 | 46.1 | 34.6 | | | |
| | DATE 04-07-75 | 2000 | 38.0 | 48.5 | 51.4 | 53.6 | 56.4 | 57.2 | 58.0 | 58.8 | 58.0 | 57.3 | 54.3 | 50.0 | 42.3 | 29.2 | | | |
| | RUN DBTF- R=320 | 2500 | 35.0 | 47.7 | 50.8 | 54.1 | 56.5 | 57.8 | 58.9 | 60.7 | 59.7 | 56.6 | 51.2 | 45.8 | 37.7 | 24.2 | | | |
| | TAPE X80010 | 3150 | 33.4 | 50.6 | 54.4 | 57.8 | 59.7 | 62.5 | 63.0 | 64.9 | 63.9 | 59.8 | 53.4 | 44.8 | 35.6 | 17.9 | | | |
| | FAN TIP SPEED | 4000 | 15.8 | 35.0 | 40.5 | 43.8 | 45.8 | 48.6 | 48.6 | 49.9 | 48.5 | 45.6 | 40.3 | 31.3 | 18.9 | | | | |
| | FT/SEC | 5000 | 4.5 | 24.5 | 31.2 | 36.3 | 39.3 | 40.8 | 46.2 | 40.7 | 38.6 | 34.9 | 29.8 | 20.0 | 7.7 | | | | |
| | | 6300 | | 10.2 | 19.2 | 24.7 | 28.1 | 32.6 | 37.4 | 35.0 | 31.1 | 25.5 | 18.0 | 5.0 | | | | | |
| | | 8000 | | | | 6.4 | 10.7 | 13.8 | 17.1 | 16.8 | 13.0 | 7.6 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| | OVERALL CALCULATED | | 66.8 | 70.4 | 72.9 | 74.3 | 75.6 | 76.8 | 78.0 | 79.6 | 79.8 | 80.8 | 80.9 | 81.8 | 79.0 | 76.6 | | | |
| | PNOB | | 68.8 | 75.6 | 78.8 | 81.4 | 83.2 | 85.1 | 86.0 | 87.6 | 87.0 | 85.7 | 84.0 | 82.9 | 77.0 | 72.5 | | | |

PRECEDING PAGE BLANK NOT FILMED

Model 18

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | | | 0, 0, 0, PWL | | |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|---------|---------|--------------|--|-------|
| REV. ALPHA 12/73 | FREQ. | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0.) | 0, (0.) | 0, (0.) | | | PWL |
| | 50 | 80.7 | 80.5 | 81.3 | 83.2 | 84.2 | 84.7 | 85.8 | 87.6 | 89.3 | 91.6 | 91.3 | 97.8 | 100.0 | 100.1 | | | | | | 151.1 |
| NO EGA | 63 | 82.8 | 83.6 | 85.3 | 84.0 | 85.5 | 86.6 | 88.5 | 89.7 | 90.9 | 92.2 | 94.5 | 100.9 | 101.1 | 98.8 | | | | | | 152.7 |
| RDG. NO. 0. | 80 | 83.3 | 86.0 | 86.5 | 85.5 | 86.7 | 86.8 | 88.9 | 90.6 | 91.4 | 92.5 | 95.7 | 100.1 | 99.7 | 99.3 | | | | | | 152.5 |
| RADIAL 320. FT. | 100 | 84.5 | 85.9 | 86.9 | 87.3 | 87.8 | 88.0 | 89.2 | 92.4 | 92.5 | 95.5 | 98.0 | 99.5 | 98.0 | 99.7 | | | | | | 153.0 |
| (98, M) | 125 | 86.3 | 85.9 | 89.3 | 87.7 | 88.0 | 89.9 | 91.2 | 92.9 | 93.7 | 96.4 | 98.7 | 100.2 | 97.9 | 95.9 | | | | | | 153.4 |
| VEHICLE JENOTS | 160 | 86.8 | 87.5 | 88.9 | 88.6 | 89.0 | 89.7 | 91.2 | 93.0 | 93.7 | 96.4 | 99.4 | 100.0 | 97.2 | 94.5 | | | | | | 153.5 |
| CONFIG JE-053 | 200 | 86.4 | 88.8 | 88.5 | 88.8 | 88.9 | 90.6 | 91.8 | 93.6 | 93.7 | 96.6 | 99.2 | 99.3 | 95.9 | 92.8 | | | | | | 153.3 |
| LOC EVENDALE | 250 | 87.7 | 88.5 | 87.7 | 89.8 | 90.6 | 91.5 | 91.4 | 93.7 | 94.4 | 97.0 | 98.3 | 99.1 | 95.7 | 92.9 | | | | | | 153.3 |
| DATE 04-07-75 | 315 | 87.7 | 89.0 | 89.4 | 88.1 | 89.3 | 90.1 | 91.6 | 93.6 | 94.7 | 97.5 | 98.2 | 98.6 | 95.1 | 92.7 | | | | | | 153.2 |
| RUN DBTF= R#320 | 400 | 86.6 | 89.7 | 89.3 | 89.5 | 89.6 | 90.4 | 91.3 | 93.7 | 94.3 | 97.4 | 97.7 | 98.2 | 95.4 | 92.7 | | | | | | 153.1 |
| TAPE X80030 | 500 | 85.6 | 88.6 | 88.6 | 88.7 | 89.5 | 90.5 | 91.0 | 93.6 | 95.0 | 97.6 | 97.0 | 97.0 | 94.2 | 92.7 | | | | | | 152.8 |
| BAR 29.9 HG | 630 | 85.4 | 88.2 | 88.3 | 88.8 | 89.0 | 90.8 | 91.5 | 94.0 | 95.5 | 97.9 | 97.4 | 97.3 | 94.2 | 93.3 | | | | | | 153.2 |
| (01039, N/42) | 800 | 85.2 | 87.7 | 88.2 | 89.3 | 89.8 | 90.9 | 91.3 | 93.5 | 95.0 | 97.6 | 97.0 | 96.8 | 95.2 | 94.2 | | | | | | 153.1 |
| TAMB 59, DEG F | 1000 | 84.4 | 87.7 | 88.2 | 89.7 | 90.2 | 90.8 | 91.2 | 94.1 | 95.0 | 96.8 | 97.1 | 96.2 | 95.3 | 95.8 | | | | | | 153.1 |
| (288, DEG K) | 1250 | 84.7 | 87.9 | 87.9 | 89.5 | 90.2 | 90.6 | 91.2 | 93.8 | 94.9 | 96.4 | 96.6 | 95.7 | 95.7 | 96.5 | | | | | | 153.0 |
| THWT 53, DEG F | 1600 | 83.6 | 87.4 | 88.0 | 88.4 | 89.6 | 89.8 | 91.4 | 93.5 | 94.4 | 96.0 | 95.9 | 94.9 | 94.8 | 94.7 | | | | | | 152.6 |
| (285, DEG K) | 2000 | 81.9 | 86.2 | 86.9 | 87.6 | 89.4 | 89.7 | 90.5 | 92.8 | 93.1 | 95.7 | 94.6 | 93.7 | 93.7 | 93.6 | | | | | | 152.0 |
| HACT 8.91 GH/M3 | 2500 | 80.5 | 84.3 | 85.5 | 86.3 | 87.0 | 88.2 | 89.3 | 91.6 | 92.2 | 93.5 | 92.9 | 91.6 | 91.7 | 91.2 | | | | | | 150.6 |
| (.00891 KG/M3) | 3150 | 79.3 | 85.2 | 85.5 | 85.8 | 85.8 | 88.1 | 89.7 | 92.5 | 92.0 | 91.8 | 91.0 | 89.4 | 89.5 | 88.5 | | | | | | 150.3 |
| FREQ. SHIFT | 4000 | 78.3 | 86.4 | 85.9 | 84.4 | 83.9 | 87.0 | 88.8 | 92.5 | 91.1 | 90.6 | 89.7 | 87.1 | 87.2 | 86.6 | | | | | | 150.1 |
| JFT 9 | 5000 | 74.3 | 82.3 | 82.8 | 82.6 | 82.4 | 82.7 | 83.2 | 86.3 | 86.2 | 86.7 | 86.4 | 83.6 | 84.0 | 83.8 | | | | | | 146.2 |
| DIAMETER RATIO | 6300 | 70.4 | 76.4 | 77.6 | 78.7 | 77.8 | 79.4 | 79.6 | 81.8 | 82.6 | 83.2 | 83.2 | 80.5 | 80.8 | 80.2 | | | | | | 143.7 |
| DF/DH 8.00 | 8000 | 68.5 | 73.2 | 73.8 | 75.3 | 74.4 | 76.4 | 76.3 | 78.9 | 79.9 | 81.0 | 81.1 | 79.0 | 78.7 | 78.0 | | | | | | 143.0 |
| | 10000 | 68.2 | 69.3 | 70.1 | 71.4 | 71.6 | 72.2 | 72.8 | 74.7 | 77.9 | 81.7 | 79.5 | 80.0 | 78.2 | 78.4 | | | | | | 144.2 |
| OVERALL CALCULATED | | 97.8 | 100.3 | 100.8 | 101.0 | 101.7 | 102.6 | 103.6 | 106.0 | 106.7 | 108.9 | 109.8 | 110.8 | 109.5 | 108.6 | | | | | | 165.8 |
| PNOB | | 106.7 | 111.3 | 111.5 | 111.7 | 112.2 | 113.5 | 114.7 | 117.2 | 117.5 | 118.9 | 118.9 | 118.4 | 117.6 | 116.9 | | | | | | 167.1 |

1066

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEC. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 56.8 | 58.9 | 61.3 | 64.2 | 65.9 | 66.9 | 68.2 | 69.8 | 71.1 | 72.6 | 71.2 | 76.2 | 76.1 | 72.8 | | | |
| SIDELINE 2400. FT. | 63 | 58.9 | 61.9 | 65.2 | 65.0 | 67.2 | 68.8 | 70.8 | 71.9 | 72.7 | 73.2 | 74.4 | 79.2 | 77.1 | 71.4 | | | |
| (731.52 M) | 80 | 59.3 | 64.2 | 66.3 | 66.4 | 68.4 | 68.9 | 71.1 | 72.7 | 73.1 | 73.4 | 75.6 | 78.3 | 75.6 | 71.7 | | | |
| NFA | 100 | 60.3 | 64.1 | 66.7 | 68.2 | 69.4 | 70.1 | 71.4 | 74.4 | 74.2 | 76.4 | 77.8 | 77.7 | 73.8 | 71.9 | | | |
| 0. RPM | 125 | 62.0 | 63.9 | 69.0 | 68.5 | 69.6 | 71.4 | 73.3 | 74.8 | 75.2 | 77.2 | 78.4 | 78.2 | 73.5 | 67.9 | | | |
| 0. RAD/SEC | 160 | 62.2 | 65.3 | 68.4 | 69.3 | 70.5 | 71.6 | 73.2 | 74.9 | 75.2 | 77.1 | 78.9 | 77.9 | 72.7 | 66.1 | | | |
| NFK | 200 | 61.6 | 66.5 | 67.9 | 69.4 | 70.2 | 72.3 | 73.7 | 75.3 | 75.8 | 77.1 | 78.5 | 77.0 | 71.1 | 64.0 | | | |
| 0. RPM | 250 | 62.6 | 65.9 | 66.8 | 70.2 | 71.8 | 73.1 | 73.2 | 75.3 | 75.5 | 77.4 | 77.3 | 76.6 | 70.6 | 63.7 | | | |
| 0. RAD/SEC | 315 | 62.2 | 66.1 | 68.3 | 68.3 | 70.2 | 71.5 | 73.2 | 75.0 | 75.7 | 77.6 | 77.1 | 75.7 | 69.5 | 62.8 | | | |
| NFD | 400 | 60.5 | 66.4 | 67.9 | 69.3 | 70.3 | 71.5 | 72.6 | 74.8 | 75.0 | 77.2 | 76.3 | 74.8 | 69.2 | 62.0 | | | |
| 0. RPM | 500 | 58.8 | 64.8 | 66.8 | 68.2 | 69.9 | 71.3 | 72.0 | 74.4 | 75.3 | 77.0 | 75.1 | 73.1 | 67.4 | 61.0 | | | |
| AIRFLOW RATIO | 630 | 57.8 | 63.8 | 65.9 | 67.8 | 68.9 | 71.2 | 72.1 | 74.4 | 75.4 | 77.0 | 75.0 | 72.9 | 66.6 | 60.3 | | | |
| WF/WM 8.00 | 800 | 56.4 | 62.4 | 65.1 | 67.6 | 69.1 | 70.8 | 71.4 | 73.4 | 74.3 | 76.0 | 73.9 | 71.5 | 66.5 | 59.6 | | | |
| VEHICLE JENOTS | 1000 | 54.3 | 61.4 | 64.3 | 67.4 | 68.9 | 70.0 | 70.6 | 73.4 | 73.6 | 74.5 | 73.2 | 69.8 | 65.2 | 59.2 | | | |
| CONFIG JE-053 | 1250 | 52.9 | 60.3 | 62.9 | 66.2 | 68.0 | 69.1 | 69.9 | 72.2 | 72.7 | 73.1 | 71.6 | 68.1 | 63.9 | 57.3 | | | |
| LOC EVENDALE | 1600 | 49.3 | 57.9 | 61.4 | 63.8 | 66.2 | 67.1 | 68.9 | 70.8 | 71.0 | 71.4 | 69.4 | 65.4 | 60.6 | 51.9 | | | |
| DATE 04-07-75 | 2000 | 44.8 | 54.5 | 58.6 | 61.4 | 64.6 | 65.6 | 66.7 | 68.7 | 68.3 | 69.5 | 66.3 | 62.0 | 56.6 | 46.5 | | | |
| RUN DBTF- R=320 | 2500 | 39.1 | 49.4 | 54.5 | 57.8 | 60.1 | 62.2 | 63.6 | 65.6 | 65.3 | 65.0 | 61.9 | 56.7 | 50.4 | 37.8 | | | |
| TAPE X80030 | 3150 | 31.2 | 45.2 | 50.3 | 53.7 | 55.6 | 58.9 | 60.8 | 63.3 | 61.7 | 59.6 | 55.8 | 49.4 | 41.5 | 25.0 | | | |
| FAN TIP SPEED | 4000 | 20.2 | 38.7 | 44.4 | 46.7 | 48.6 | 53.0 | 55.2 | 58.5 | 55.8 | 52.9 | 48.2 | 39.4 | 29.0 | 8.0 | | | |
| FT/SEC | 5000 | 10.3 | 30.1 | 37.6 | 41.7 | 44.2 | 45.9 | 46.9 | 49.6 | 48.0 | 45.8 | 41.2 | 31.4 | 20.0 | | | | |
| | 6300 | | 11.1 | 21.6 | 28.4 | 31.0 | 34.5 | 35.4 | 36.9 | 35.8 | 32.9 | 27.2 | 15.2 | | | | | |
| | 8000 | | | 1.2 | 10.6 | 14.4 | 19.0 | 19.8 | 21.6 | 19.9 | 16.3 | 8.5 | | | | | | |
| | 10000 | | | | | | | 0.0 | | | | | | | | | | |
| OVERALL CALCULATED | | 71.7 | 76.1 | 78.5 | 80.0 | 81.5 | 82.9 | 84.1 | 85.1 | 86.5 | 88.1 | 88.1 | 87.9 | 84.1 | 79.4 | | | |
| PND8 | | 74.7 | 81.0 | 83.6 | 85.6 | 87.7 | 89.2 | 90.5 | 92.6 | 92.7 | 93.6 | 92.5 | 90.8 | 85.4 | 78.5 | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0, PHL | | |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|--------------|-------|--|
| REV. ALPHA 12/73 | FREQ. | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0) | 0, (0) | 0, (0) | PHL | |
| NO EGA | 63 | 84.4 | 83.5 | 85.3 | 86.4 | 87.9 | 88.5 | 90.1 | 91.8 | 93.8 | 97.1 | 97.3 | 103.3 | 106.0 | 105.4 | | | | 156.6 | |
| RDG. NO. 01 | 80 | 87.1 | 87.8 | 89.6 | 88.3 | 89.0 | 90.6 | 91.5 | 93.5 | 95.2 | 97.2 | 99.5 | 105.6 | 105.3 | 102.6 | | | | 157.1 | |
| RADIAL 320. FT. | 100 | 88.3 | 89.7 | 90.5 | 89.7 | 90.5 | 90.8 | 92.9 | 94.6 | 95.7 | 98.2 | 102.7 | 105.8 | 105.7 | 102.8 | | | | 157.7 | |
| (98, M) | 125 | 88.5 | 89.9 | 90.6 | 90.5 | 91.8 | 92.3 | 93.2 | 96.1 | 97.3 | 100.8 | 104.0 | 104.8 | 103.2 | 104.7 | | | | 158.2 | |
| VEHICLE JENOTS | 160 | 90.8 | 90.6 | 92.0 | 91.7 | 92.5 | 93.9 | 95.2 | 97.1 | 98.4 | 102.9 | 105.5 | 104.9 | 102.1 | 100.4 | | | | 158.7 | |
| CONFIG JE-053 | 200 | 91.3 | 91.7 | 92.6 | 92.8 | 93.3 | 94.2 | 96.2 | 97.7 | 99.0 | 103.4 | 106.4 | 105.5 | 102.2 | 99.7 | | | | 159.4 | |
| LOC EVENDALE | 250 | 90.9 | 93.0 | 92.7 | 93.5 | 94.1 | 95.5 | 96.8 | 98.5 | 99.9 | 103.6 | 105.6 | 106.0 | 102.7 | 99.5 | | | | 159.6 | |
| DATE 04-07-75 | 315 | 92.9 | 92.9 | 92.4 | 95.0 | 95.6 | 96.2 | 96.6 | 98.9 | 100.6 | 104.9 | 105.5 | 105.9 | 103.9 | 101.1 | | | | 160.0 | |
| RUN DBTF- R=320 | 400 | 91.9 | 94.2 | 94.4 | 93.4 | 94.0 | 95.3 | 97.1 | 99.6 | 101.4 | 105.2 | 105.9 | 106.1 | 103.0 | 103.1 | | | | 160.4 | |
| TAPE X80050 | 500 | 93.0 | 94.4 | 94.0 | 94.7 | 95.1 | 96.1 | 96.8 | 99.6 | 101.0 | 105.8 | 105.9 | 106.1 | 105.6 | 104.9 | | | | 160.9 | |
| BAR 29.9 HG | 630 | 93.3 | 94.5 | 93.8 | 94.4 | 95.2 | 96.7 | 97.5 | 100.5 | 102.4 | 105.5 | 105.6 | 105.9 | 106.4 | 106.1 | | | | 161.2 | |
| (01039, N/M2) | 800 | 98.9 | 98.9 | 96.0 | 96.5 | 96.2 | 97.7 | 98.2 | 101.2 | 103.2 | 105.6 | 106.6 | 108.0 | 111.1 | 110.7 | | | | 163.5 | |
| TAMB 59, DEG F | 1000 | 97.8 | 99.9 | 99.1 | 97.9 | 97.2 | 97.5 | 98.2 | 100.7 | 102.6 | 105.2 | 106.4 | 107.5 | 108.4 | 105.4 | | | | 162.4 | |
| (288, DEG K) | 1250 | 97.3 | 99.6 | 100.4 | 100.8 | 100.1 | 98.9 | 98.6 | 101.3 | 103.1 | 105.2 | 106.3 | 107.8 | 108.2 | 104.7 | | | | 162.8 | |
| TWET 53, DEG F | 1600 | 96.4 | 98.1 | 99.4 | 100.9 | 101.6 | 101.6 | 99.4 | 101.7 | 103.1 | 105.1 | 106.8 | 107.2 | 107.6 | 105.2 | | | | 163.0 | |
| (285, DEG K) | 2000 | 95.8 | 97.3 | 97.9 | 98.9 | 100.1 | 100.8 | 100.8 | 102.2 | 102.6 | 104.5 | 105.9 | 106.3 | 106.0 | 102.7 | | | | 162.3 | |
| HACT 8.91 GH/M3 | 2500 | 94.2 | 96.5 | 97.0 | 97.8 | 98.9 | 99.2 | 100.8 | 102.3 | 102.6 | 103.3 | 104.7 | 105.2 | 104.7 | 100.8 | | | | 161.6 | |
| (00891 KG/M3) | 3150 | 92.5 | 94.8 | 95.5 | 96.9 | 97.6 | 97.6 | 98.9 | 101.0 | 102.1 | 102.3 | 104.2 | 103.0 | 102.5 | 99.1 | | | | 160.7 | |
| FREQ. SHIFT | 4000 | 90.7 | 93.1 | 94.1 | 95.5 | 96.0 | 96.5 | 97.9 | 99.6 | 100.4 | 101.2 | 101.7 | 101.1 | 101.2 | 97.4 | | | | 159.3 | |
| JET 9 | 5000 | 87.7 | 91.0 | 91.3 | 92.8 | 93.6 | 94.9 | 95.7 | 97.9 | 97.8 | 98.7 | 100.1 | 98.8 | 99.3 | 94.5 | | | | 158.1 | |
| DIAMETER RATIO | 6300 | 85.2 | 88.4 | 89.7 | 90.7 | 91.0 | 91.8 | 92.8 | 94.7 | 95.5 | 96.3 | 97.5 | 96.0 | 97.2 | 93.4 | | | | 156.0 | |
| DF/DH 8.00 | 8000 | 82.5 | 85.2 | 86.4 | 87.7 | 87.4 | 88.5 | 89.2 | 91.4 | 92.2 | 93.6 | 95.8 | 94.0 | 95.4 | 91.0 | | | | 154.6 | |
| | 10000 | 80.0 | 82.0 | 83.6 | 84.3 | 84.1 | 85.2 | 85.9 | 88.7 | 89.7 | 91.6 | 93.9 | 92.1 | 93.0 | 89.6 | | | | 154.1 | |
| OVERALL CALCULATED | | 79.0 | 78.8 | 79.9 | 81.1 | 81.1 | 82.2 | 83.0 | 86.0 | 86.4 | 91.7 | 92.5 | 92.2 | 92.2 | 89.9 | | | | 155.4 | |
| PNOB | | 106.8 | 108.3 | 108.5 | 109.1 | 109.5 | 110.0 | 110.5 | 112.7 | 114.0 | 116.6 | 118.0 | 118.7 | 118.8 | 117.0 | | | | 173.9 | |
| | | 117.1 | 119.0 | 119.5 | 120.5 | 121.0 | 121.5 | 122.4 | 124.5 | 125.6 | 127.2 | 128.8 | 128.6 | 128.4 | 126.0 | | | | 175.2 | |

10601

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIAN)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 60.6 | 61.9 | 65.3 | 67.5 | 69.7 | 70.7 | 72.4 | 74.0 | 75.6 | 78.1 | 77.2 | 81.7 | 82.1 | 78.1 | | | |
| SIDELINE 2400. FT. | 63 | 63.1 | 66.2 | 69.5 | 69.3 | 70.7 | 72.8 | 73.8 | 75.6 | 76.9 | 78.2 | 79.4 | 84.0 | 81.4 | 75.1 | | | |
| (731.52 H) | 80 | 64.3 | 68.0 | 70.3 | 70.7 | 72.2 | 72.9 | 75.1 | 76.7 | 77.4 | 79.2 | 82.6 | 84.1 | 81.6 | 75.2 | | | |
| | 100 | 64.3 | 68.1 | 70.4 | 71.4 | 73.4 | 74.3 | 75.4 | 78.2 | 78.9 | 81.7 | 83.7 | 82.9 | 79.0 | 76.9 | | | |
| NFA 0. RPM | 125 | 66.5 | 68.7 | 71.7 | 72.8 | 74.1 | 75.9 | 77.3 | 79.1 | 80.0 | 83.7 | 85.2 | 83.0 | 77.8 | 72.4 | | | |
| (0. RAD/SEC) | 160 | 66.7 | 69.6 | 72.2 | 73.5 | 74.7 | 76.1 | 78.2 | 79.6 | 80.4 | 84.1 | 85.9 | 83.4 | 77.6 | 71.4 | | | |
| NFK 0. RPM | 200 | 66.0 | 70.7 | 72.1 | 74.1 | 75.4 | 77.3 | 78.7 | 80.3 | 81.2 | 84.1 | 85.0 | 83.7 | 77.9 | 70.8 | | | |
| (0. RAD/SEC) | 250 | 67.8 | 70.4 | 71.5 | 75.4 | 76.7 | 77.8 | 78.4 | 80.5 | 81.7 | 84.8 | 84.7 | 83.3 | 78.8 | 71.9 | | | |
| NFD 0. RPM | 315 | 66.4 | 71.3 | 73.3 | 73.5 | 74.9 | 76.7 | 78.6 | 81.0 | 82.4 | 85.4 | 84.8 | 83.2 | 78.2 | 73.3 | | | |
| (0. RAD/SEC) | 400 | 66.9 | 71.1 | 72.6 | 74.5 | 75.7 | 77.2 | 78.1 | 80.7 | 81.7 | 85.7 | 84.5 | 82.8 | 79.4 | 74.2 | | | |
| AIRFLOW RATIO | 500 | 66.5 | 70.7 | 72.0 | 73.9 | 75.6 | 77.5 | 78.4 | 81.4 | 82.7 | 85.0 | 83.8 | 82.1 | 79.6 | 74.4 | | | |
| WF/WM 8.00 | 630 | 71.3 | 74.4 | 73.6 | 75.5 | 76.1 | 78.1 | 78.8 | 81.6 | 83.1 | 84.6 | 84.2 | 83.5 | 83.5 | 77.8 | | | |
| | 800 | 69.1 | 74.6 | 76.0 | 76.3 | 76.5 | 77.4 | 78.3 | 80.6 | 82.0 | 83.6 | 83.3 | 82.2 | 79.6 | 70.8 | | | |
| VEHICLE JENOTS | 1000 | 67.2 | 73.2 | 76.4 | 78.5 | 78.8 | 78.2 | 78.0 | 80.5 | 81.8 | 82.9 | 82.3 | 81.4 | 78.1 | 68.1 | | | |
| CONFIG JE-053 | 1250 | 64.6 | 70.5 | 74.4 | 77.7 | 79.5 | 80.0 | 78.1 | 80.2 | 80.9 | 81.8 | 81.8 | 79.5 | 75.8 | 66.0 | | | |
| LOC EVENDALE | 1600 | 61.6 | 67.9 | 71.4 | 74.3 | 76.7 | 78.1 | 78.4 | 79.5 | 79.3 | 79.9 | 79.4 | 76.8 | 71.8 | 59.9 | | | |
| DATE 04-07-75 | 2000 | 57.0 | 64.8 | 68.6 | 71.6 | 74.1 | 75.2 | 77.0 | 78.3 | 77.8 | 77.1 | 76.3 | 73.5 | 67.6 | 53.7 | | | |
| RUN DBTF- R=320 | 2500 | 51.2 | 59.9 | 64.6 | 68.4 | 70.7 | 71.5 | 73.2 | 74.9 | 75.2 | 75.8 | 73.2 | 68.1 | 61.2 | 45.7 | | | |
| TAPE X80050 | 3150 | 42.6 | 53.1 | 58.9 | 63.3 | 65.7 | 67.3 | 69.0 | 70.4 | 70.1 | 69.0 | 66.4 | 61.0 | 53.1 | 33.9 | | | |
| FAN TIP SPEED | 4000 | 29.6 | 43.3 | 49.8 | 55.1 | 58.3 | 60.9 | 62.1 | 63.9 | 62.3 | 61.1 | 58.6 | 51.0 | 41.2 | 15.9 | | | |
| FT/SEC | 5000 | 21.2 | 36.2 | 44.4 | 49.8 | 52.8 | 55.1 | 56.5 | 57.9 | 57.3 | 55.4 | 52.3 | 43.8 | 33.2 | 6.1 | | | |
| | 6300 | 1.3 | 19.9 | 30.4 | 37.4 | 40.6 | 43.6 | 44.9 | 46.5 | 45.4 | 43.3 | 39.8 | 28.7 | 14.2 | | | | |
| | 8000 | | | 11.0 | 19.6 | 24.2 | 27.8 | 29.4 | 31.3 | 29.7 | 26.8 | 21.3 | 6.7 | | | | | |
| | 10000 | | | | | 2.0 | 7.5 | 9.4 | 11.3 | 8.1 | 6.8 | | | | | | | |
| OVERALL CALCULATED | | 78.6 | 82.9 | 84.9 | 86.7 | 88.1 | 89.2 | 90.0 | 92.1 | 93.1 | 95.4 | 95.6 | 94.7 | 91.7 | 86.0 | | | |
| PND8 | | 84.2 | 88.9 | 91.7 | 94.3 | 96.2 | 97.6 | 98.5 | 100.3 | 100.6 | 101.6 | 101.3 | 99.6 | 96.7 | 89.6 | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

806

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | 0, 0, 0, PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------------|--|--|
| REV. ALPHA 12/73 | FREQ. | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | PWL | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0,) | (0.) | | | | |
| NO EGA | 50 | 79.9 | 78.5 | 79.1 | 80.7 | 81.7 | 82.5 | 84.1 | 86.8 | 88.3 | 91.8 | 91.8 | 99.3 | 101.2 | 102.4 | | | | 152.3 | | | |
| RDG. NO. 0. | 63 | 83.1 | 82.3 | 83.1 | 82.0 | 82.7 | 84.4 | 85.5 | 88.0 | 88.9 | 91.2 | 93.2 | 100.4 | 101.3 | 99.8 | | | | 152.3 | | | |
| RADIAL 320. FT. | 80 | 82.8 | 83.7 | 83.5 | 82.7 | 83.7 | 84.0 | 86.4 | 88.4 | 89.9 | 91.7 | 94.2 | 99.8 | 101.2 | 103.3 | | | | 153.0 | | | |
| (98. M) | 100 | 82.2 | 83.4 | 83.9 | 84.3 | 84.5 | 85.0 | 86.4 | 89.7 | 90.6 | 94.3 | 96.2 | 98.0 | 97.7 | 102.2 | | | | 152.2 | | | |
| VEHICLE JENOTS | 125 | 83.4 | 82.9 | 84.8 | 85.2 | 85.1 | 86.2 | 88.2 | 89.1 | 91.2 | 94.1 | 95.5 | 99.5 | 97.4 | 98.2 | | | | 151.8 | | | |
| CONFIG JE-053 | 160 | 83.1 | 83.0 | 84.2 | 84.6 | 85.0 | 86.3 | 87.5 | 89.5 | 90.5 | 93.9 | 96.7 | 97.8 | 96.2 | 94.0 | | | | 151.0 | | | |
| LOC EVENDALE | 200 | 81.7 | 84.1 | 83.8 | 84.8 | 85.2 | 86.6 | 87.4 | 90.1 | 90.4 | 92.9 | 95.7 | 96.6 | 93.5 | 91.1 | | | | 150.0 | | | |
| DATE 04-07-75 | 250 | 82.8 | 83.0 | 82.4 | 85.1 | 85.4 | 86.5 | 86.9 | 89.0 | 90.4 | 92.3 | 94.3 | 95.4 | 92.0 | 89.7 | | | | 149.1 | | | |
| RUN DBTF- R=320 | 315 | 81.0 | 83.3 | 83.7 | 83.0 | 84.1 | 85.2 | 86.7 | 88.4 | 89.8 | 92.1 | 93.0 | 93.9 | 89.6 | 87.2 | | | | 148.1 | | | |
| TAPE X80060 | 400 | 80.4 | 83.3 | 82.9 | 83.6 | 83.7 | 84.9 | 85.4 | 88.2 | 88.9 | 91.2 | 92.3 | 92.2 | 89.2 | 86.2 | | | | 147.3 | | | |
| BAR 29.9 HG | 500 | 78.9 | 82.2 | 82.2 | 82.8 | 83.4 | 84.8 | 85.4 | 87.7 | 88.3 | 90.7 | 90.0 | 90.0 | 86.3 | 84.3 | | | | 146.2 | | | |
| (01039, N/M2) | 630 | 78.8 | 81.6 | 81.4 | 82.2 | 82.8 | 84.1 | 85.1 | 86.8 | 88.4 | 90.3 | 90.3 | 89.2 | 85.3 | 83.7 | | | | 145.8 | | | |
| TAMB 59, DEG F | 800 | 78.3 | 81.6 | 81.8 | 82.6 | 83.7 | 84.0 | 84.4 | 86.4 | 87.8 | 89.5 | 89.2 | 88.2 | 85.1 | 82.6 | | | | 145.3 | | | |
| (288, DEG K) | 1000 | 77.5 | 81.3 | 81.8 | 82.5 | 83.0 | 83.9 | 84.3 | 86.2 | 86.8 | 88.4 | 88.2 | 87.2 | 84.2 | 82.9 | | | | 144.8 | | | |
| TNET 53, DEG F | 1250 | 77.3 | 81.2 | 81.7 | 82.5 | 83.5 | 83.9 | 83.5 | 85.8 | 86.6 | 88.2 | 87.4 | 86.2 | 83.4 | 81.5 | | | | 144.5 | | | |
| (285, DEG K) | 1600 | 76.8 | 81.1 | 81.5 | 81.9 | 82.6 | 83.1 | 83.1 | 85.7 | 86.2 | 87.5 | 86.7 | 85.9 | 82.6 | 80.5 | | | | 144.1 | | | |
| HACT 8.91 GM/M3 | 2000 | 75.3 | 79.8 | 80.3 | 80.9 | 81.8 | 82.1 | 83.0 | 84.5 | 84.7 | 86.4 | 85.5 | 84.3 | 81.6 | 79.4 | | | | 143.2 | | | |
| (.00891 KG/M3) | 2500 | 74.5 | 81.1 | 80.8 | 81.1 | 81.4 | 81.6 | 81.9 | 83.2 | 84.1 | 84.3 | 84.7 | 82.5 | 80.0 | 77.6 | | | | 142.6 | | | |
| FREQ. SHIFT | 3150 | 78.8 | 90.8 | 89.3 | 89.1 | 87.1 | 88.4 | 88.3 | 90.6 | 88.3 | 84.6 | 83.6 | 82.0 | 80.6 | 78.5 | | | | 148.5 | | | |
| JET 9 | 4000 | 78.9 | 90.2 | 89.0 | 88.4 | 87.8 | 88.6 | 87.9 | 90.8 | 90.0 | 84.7 | 83.3 | 81.4 | 80.5 | 77.9 | | | | 149.4 | | | |
| DIAMETER RATIO | 5000 | 68.2 | 77.9 | 78.9 | 79.2 | 77.8 | 77.3 | 76.8 | 78.9 | 78.3 | 77.8 | 78.3 | 75.7 | 74.4 | 73.4 | | | | 139.6 | | | |
| DF/DH 8.00 | 6300 | 64.3 | 74.5 | 75.0 | 75.3 | 74.2 | 75.0 | 74.8 | 76.5 | 75.5 | 75.2 | 76.4 | 75.4 | 73.5 | 73.6 | | | | 158.2 | | | |
| OVERALL CALCULATED | 8000 | 63.0 | 75.2 | 74.8 | 73.8 | 72.3 | 73.3 | 73.8 | 76.4 | 75.1 | 72.7 | 76.3 | 76.5 | 74.9 | 75.8 | | | | 139.6 | | | |
| PND8 | 10000 | 57.7 | 68.1 | 68.1 | 69.1 | 68.6 | 68.8 | 69.3 | 71.8 | 69.4 | 72.7 | 77.5 | 79.0 | 77.0 | 77.7 | | | | 140.7 | | | |
| | | 93.5 | 97.3 | 97.1 | 97.3 | 97.3 | 98.3 | 99.0 | 101.2 | 101.9 | 104.0 | 105.4 | 108.3 | 108.0 | 109.0 | | | | 162.3 | | | |
| | | 103.2 | 111.2 | 110.5 | 110.6 | 110.0 | 110.8 | 111.0 | 113.3 | 113.2 | 112.0 | 112.3 | 112.4 | 110.6 | 110.7 | | | | 1.3 | | | |
| | | | | | | | | | | | | | | | | | | | 169.6 | | | |

1070

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 56.1 | 56.9 | 59.0 | 61.7 | 63.4 | 64.7 | 66.4 | 69.0 | 70.1 | 72.9 | 71.7 | 77.7 | 77.4 | 75.1 | | | |
| SIDELINE 2400. FT. | 63 | 59.1 | 60.7 | 63.0 | 63.0 | 64.5 | 66.5 | 67.8 | 70.1 | 70.7 | 72.2 | 73.1 | 78.7 | 77.4 | 75.4 | | | |
| (731.52 H) | 80 | 58.8 | 62.0 | 63.3 | 63.7 | 65.4 | 66.1 | 68.6 | 70.5 | 71.6 | 72.7 | 74.1 | 78.1 | 77.1 | 75.7 | | | |
| NFA | 100 | 58.1 | 61.6 | 63.7 | 65.2 | 66.2 | 67.1 | 68.6 | 71.7 | 72.2 | 75.2 | 76.0 | 76.2 | 73.6 | 74.5 | | | |
| (0. RPM) | 125 | 59.0 | 61.0 | 64.5 | 66.0 | 66.6 | 68.2 | 70.3 | 71.1 | 72.7 | 74.9 | 75.2 | 77.5 | 73.1 | 70.2 | | | |
| (0. RAD/SEC) | 160 | 58.5 | 60.9 | 63.7 | 65.3 | 66.5 | 68.1 | 69.5 | 71.4 | 71.9 | 74.6 | 76.2 | 75.7 | 71.7 | 65.7 | | | |
| NFK | 200 | 56.8 | 61.8 | 63.1 | 65.4 | 66.5 | 68.4 | 69.3 | 71.9 | 71.8 | 73.4 | 75.1 | 74.2 | 68.7 | 62.3 | | | |
| (0. RAD/SEC) | 250 | 57.6 | 60.4 | 61.6 | 65.4 | 66.5 | 68.1 | 68.7 | 70.6 | 71.6 | 72.7 | 73.5 | 72.9 | 66.9 | 60.5 | | | |
| NFD | 315 | 55.5 | 60.4 | 62.7 | 63.1 | 65.0 | 66.6 | 68.2 | 69.8 | 70.7 | 72.2 | 71.9 | 71.0 | 64.1 | 57.4 | | | |
| (0. RAD/SEC) | 400 | 54.3 | 59.9 | 61.4 | 63.4 | 64.4 | 66.1 | 66.7 | 69.4 | 69.6 | 71.0 | 70.8 | 68.9 | 63.1 | 55.5 | | | |
| AIRFLOW RATIO | 500 | 52.2 | 58.4 | 60.4 | 62.3 | 63.7 | 65.7 | 66.4 | 68.5 | 68.6 | 70.1 | 68.2 | 66.2 | 59.5 | 52.6 | | | |
| WF/WM 8.00 | 630 | 51.2 | 57.1 | 59.0 | 61.2 | 62.8 | 64.6 | 65.7 | 67.3 | 68.3 | 69.3 | 67.9 | 64.7 | 57.7 | 50.7 | | | |
| | 800 | 49.5 | 56.3 | 58.7 | 61.0 | 63.0 | 63.9 | 64.5 | 66.3 | 67.2 | 67.9 | 66.0 | 62.9 | 56.4 | 48.0 | | | |
| VEHICLE JENOTS | 1000 | 47.4 | 54.9 | 57.9 | 60.2 | 61.7 | 63.1 | 63.7 | 65.5 | 65.5 | 66.1 | 64.2 | 60.9 | 54.0 | 46.2 | | | |
| CONFIG JE-053 | 1250 | 45.5 | 53.6 | 56.7 | 59.2 | 61.3 | 62.3 | 62.2 | 64.3 | 64.5 | 64.9 | 62.4 | 58.6 | 51.6 | 42.3 | | | |
| LOC EVENDALE | 1600 | 42.6 | 51.6 | 54.9 | 57.3 | 59.2 | 60.4 | 60.6 | 63.0 | 62.8 | 62.9 | 60.1 | 56.4 | 48.3 | 37.6 | | | |
| DATE 04-07-75 | 2000 | 38.2 | 48.1 | 52.0 | 54.7 | 57.0 | 58.0 | 59.1 | 60.4 | 59.9 | 60.2 | 57.2 | 52.6 | 44.5 | 32.3 | | | |
| RUN DBTF- R=320 | 2500 | 33.2 | 46.2 | 49.8 | 52.6 | 54.5 | 55.5 | 56.2 | 57.2 | 57.2 | 55.8 | 53.7 | 47.6 | 38.7 | 24.2 | | | |
| TAPE X80060 | 3150 | 30.8 | 50.8 | 54.1 | 57.0 | 56.9 | 59.2 | 59.4 | 61.3 | 58.0 | 52.4 | 48.4 | 41.9 | 32.5 | 15.0 | | | |
| FAN TIP SPEED | 4000 | 20.7 | 42.5 | 47.4 | 50.8 | 52.5 | 54.6 | 54.3 | 56.8 | 54.7 | 47.0 | 41.8 | 33.7 | 22.3 | | | | |
| FT/SEC | 5000 | 4.2 | 25.7 | 33.7 | 38.3 | 39.5 | 40.6 | 40.5 | 42.2 | 40.1 | 36.9 | 33.1 | 23.5 | 10.4 | | | | |
| | 6300 | | 9.2 | 19.0 | 25.0 | 27.4 | 30.2 | 30.5 | 31.6 | 28.7 | 24.9 | 20.4 | 10.1 | | | | | |
| | 8000 | | | 2.2 | 9.0 | 12.4 | 16.0 | 17.3 | 19.0 | 15.1 | 8.0 | 3.7 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 68.0 | 71.6 | 73.8 | 75.5 | 76.8 | 78.3 | 79.6 | 81.6 | 82.2 | 84.0 | 84.5 | 86.1 | 83.8 | 81.2 | | | |
| PNDB | | 69.1 | 76.3 | 79.4 | 81.9 | 82.9 | 84.7 | 85.4 | 87.4 | 86.7 | 87.5 | 87.2 | 86.2 | 80.8 | 77.0 | | | |

1071

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F; 70 PERCENT REL. HUM. DAY - JENOTS)
 PROC. DATE - MONTH 4 DAY 29 HR; 19.9
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 84.2 | 83.2 | 84.3 | 85.7 | 86.7 | 87.0 | 88.6 | 90.3 | 92.1 | 93.6 | 96.0 | 103.5 | 105.2 | 106.1 | | | | 156.3 |
| RDG. NO. 0. | 63 | 87.1 | 87.6 | 88.1 | 86.5 | 87.7 | 89.1 | 90.0 | 92.2 | 93.7 | 95.7 | 98.5 | 105.4 | 106.6 | 103.6 | | | | 157.1 |
| RADIAL 320. FT. | 80 | 87.3 | 88.2 | 89.2 | 88.2 | 88.7 | 88.8 | 91.4 | 92.9 | 94.7 | 96.2 | 100.5 | 104.8 | 105.4 | 105.1 | | | | 157.2 |
| (98. M) | 100 | 87.0 | 88.7 | 89.7 | 89.5 | 90.3 | 90.3 | 91.4 | 94.7 | 96.1 | 99.5 | 102.0 | 103.5 | 102.0 | 105.5 | | | | 157.0 |
| VEHICLE JENOTS | 125 | 89.1 | 88.7 | 90.6 | 89.9 | 90.6 | 91.7 | 93.2 | 95.1 | 96.4 | 100.1 | 102.5 | 103.0 | 100.9 | 100.0 | | | | 156.5 |
| CONFIG JE-053 | 160 | 89.1 | 89.8 | 90.2 | 90.6 | 91.0 | 92.5 | 94.5 | 95.5 | 96.2 | 100.2 | 103.4 | 103.3 | 100.5 | 97.8 | | | | 156.8 |
| LOC EVENDALE | 200 | 88.4 | 90.8 | 90.3 | 90.8 | 91.9 | 93.1 | 94.1 | 96.1 | 97.2 | 99.9 | 101.9 | 102.3 | 99.5 | 96.6 | | | | 156.3 |
| DATE 04-07-75 | 250 | 90.0 | 90.7 | 89.9 | 92.1 | 92.4 | 93.5 | 93.9 | 96.0 | 97.1 | 100.3 | 101.6 | 102.4 | 98.8 | 97.2 | | | | 156.3 |
| RUN DBTF- R=320 | 315 | 89.5 | 90.8 | 91.2 | 90.5 | 91.6 | 93.2 | 93.9 | 96.1 | 97.5 | 100.8 | 101.0 | 101.7 | 98.6 | 97.2 | | | | 156.2 |
| TAPF X80080 | 400 | 88.7 | 91.0 | 91.1 | 91.3 | 91.9 | 92.7 | 93.9 | 96.5 | 97.4 | 100.7 | 101.5 | 101.0 | 99.4 | 98.5 | | | | 156.3 |
| BAR 29.9 HG | 500 | 87.7 | 90.4 | 90.5 | 90.8 | 91.6 | 93.1 | 93.6 | 96.0 | 97.5 | 100.2 | 100.8 | 100.3 | 99.0 | 99.3 | | | | 155.9 |
| (01039, N/H2) | 630 | 87.8 | 90.6 | 90.4 | 90.4 | 91.8 | 93.1 | 94.3 | 96.6 | 98.6 | 100.8 | 101.3 | 101.4 | 100.6 | 100.7 | | | | 156.8 |
| TAMB 59, DEG F | 800 | 88.0 | 90.6 | 90.8 | 91.6 | 91.7 | 93.8 | 93.7 | 96.7 | 98.1 | 100.5 | 100.4 | 101.2 | 102.1 | 101.6 | | | | 156.9 |
| (288, DEG K) | 1000 | 89.3 | 91.8 | 91.1 | 91.8 | 92.5 | 93.6 | 93.8 | 96.5 | 98.3 | 100.2 | 100.7 | 100.7 | 102.9 | 102.9 | | | | 157.2 |
| THET 53, DEG F | 1250 | 90.5 | 93.2 | 92.5 | 92.3 | 93.0 | 93.4 | 94.0 | 97.0 | 98.1 | 99.9 | 100.1 | 100.7 | 102.4 | 102.3 | | | | 157.2 |
| (285, DEG K) | 1600 | 89.6 | 92.9 | 93.0 | 92.9 | 93.3 | 93.1 | 93.4 | 96.2 | 97.4 | 99.3 | 99.4 | 100.1 | 101.3 | 100.0 | | | | 156.6 |
| HACT 8.91 GH/H3 | 2000 | 87.3 | 90.6 | 91.6 | 92.9 | 93.6 | 92.8 | 93.2 | 95.7 | 96.5 | 98.1 | 98.3 | 99.3 | 100.1 | 98.4 | | | | 155.9 |
| (.00891 KG/H3) | 2500 | 85.0 | 87.8 | 88.5 | 90.6 | 91.9 | 92.1 | 92.7 | 93.7 | 95.3 | 96.8 | 97.0 | 97.5 | 97.8 | 96.6 | | | | 154.6 |
| FREQ. SHIFT | 3150 | 83.1 | 86.3 | 87.3 | 88.1 | 88.9 | 90.4 | 91.8 | 92.8 | 93.3 | 94.6 | 95.1 | 95.2 | 95.8 | 94.0 | | | | 153.2 |
| JET 9 | 4000 | 79.9 | 84.4 | 85.0 | 85.9 | 86.8 | 89.3 | 90.6 | 92.8 | 91.7 | 92.7 | 93.1 | 92.7 | 93.5 | 91.1 | | | | 152.2 |
| DIAMETER RATIO | 5000 | 77.7 | 84.7 | 85.4 | 85.2 | 85.5 | 86.6 | 89.0 | 91.7 | 91.0 | 90.1 | 91.0 | 89.2 | 90.9 | 89.7 | | | | 150.8 |
| DF/DH 8.00 | 6300 | 73.8 | 78.5 | 80.3 | 80.8 | 80.0 | 82.3 | 84.3 | 87.5 | 87.0 | 87.7 | 88.7 | 86.9 | 88.5 | 86.8 | | | | 148.5 |
| | 8000 | 71.0 | 74.4 | 75.6 | 76.3 | 76.1 | 77.1 | 79.8 | 83.4 | 83.1 | 84.7 | 85.5 | 84.5 | 86.7 | 84.0 | | | | 147.1 |
| | 10000 | 69.2 | 70.1 | 70.9 | 71.9 | 72.1 | 73.2 | 78.6 | 82.0 | 79.9 | 83.7 | 82.5 | 82.7 | 84.5 | 81.4 | | | | 147.5 |
| OVERALL CALCULATED | 101.0 | 103.1 | 103.3 | 103.7 | 104.4 | 105.3 | 106.2 | 108.5 | 109.7 | 112.2 | 113.4 | 114.9 | 114.7 | 114.3 | | | | | 169.4 |
| PND8 | 110.6 | 113.5 | 114.0 | 114.8 | 115.6 | 116.3 | 117.3 | 119.2 | 120.2 | 122.1 | 122.7 | 123.3 | 123.5 | 122.3 | | | | | 1.3 |

170.7

1072

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | 0, 0, 0, | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|----------|--|--|
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | | | |
| | | 50 | 60.3 | 61.6 | 64.3 | 66.7 | 68.4 | 69.2 | 70.9 | 72.5 | 73.8 | 76.6 | 76.0 | 81.9 | 81.4 | 78.8 | | | | | | |
| | NO EGA | 63 | 63.1 | 65.9 | 68.0 | 67.5 | 69.5 | 71.3 | 72.3 | 74.4 | 75.4 | 76.7 | 78.4 | 83.7 | 82.6 | 76.1 | | | | | | |
| | SIDELINE 2400. FT. | 80 | 63.3 | 66.5 | 69.1 | 69.2 | 70.4 | 70.9 | 73.6 | 75.0 | 76.4 | 77.2 | 80.3 | 83.1 | 81.4 | 77.5 | | | | | | |
| | (731.52 H) | 100 | 62.8 | 66.9 | 69.4 | 70.4 | 71.9 | 72.3 | 73.6 | 76.7 | 77.7 | 80.4 | 81.8 | 81.7 | 77.8 | 77.7 | | | | | | |
| | NFA 0, RPM | 125 | 64.8 | 66.7 | 70.2 | 70.8 | 72.1 | 73.7 | 75.3 | 77.1 | 78.0 | 80.9 | 82.2 | 81.0 | 76.6 | 71.9 | | | | | | |
| | (0, RAD/SEC) | 160 | 64.5 | 67.6 | 69.7 | 71.3 | 72.5 | 74.4 | 76.5 | 77.4 | 77.7 | 80.9 | 82.9 | 81.2 | 75.9 | 69.4 | | | | | | |
| | NFK 0, RPM | 200 | 63.6 | 68.5 | 69.6 | 71.4 | 73.2 | 74.9 | 76.0 | 77.9 | 78.5 | 80.4 | 81.3 | 80.0 | 74.7 | 67.8 | | | | | | |
| | (0, RAD/SEC) | 250 | 64.9 | 68.2 | 69.1 | 72.4 | 73.5 | 75.1 | 75.7 | 77.6 | 78.3 | 80.7 | 80.8 | 79.9 | 73.6 | 68.0 | | | | | | |
| | NFD 0, RPM | 315 | 64.0 | 67.9 | 70.2 | 70.6 | 72.5 | 74.6 | 75.5 | 77.5 | 78.5 | 80.9 | 79.9 | 78.8 | 73.1 | 67.4 | | | | | | |
| | (0, RAD/SEC) | 400 | 62.5 | 67.7 | 69.7 | 71.1 | 72.6 | 73.8 | 75.2 | 77.6 | 78.1 | 80.5 | 80.1 | 77.7 | 73.3 | 67.8 | | | | | | |
| | AIRFLOW RATIO | 500 | 60.9 | 66.6 | 68.6 | 70.3 | 72.0 | 73.9 | 74.6 | 76.8 | 77.9 | 79.6 | 78.9 | 76.5 | 72.3 | 67.6 | | | | | | |
| | WF/WM 8.00 | 630 | 60.2 | 66.1 | 68.0 | 69.4 | 71.8 | 73.6 | 74.9 | 77.0 | 78.6 | 79.8 | 78.9 | 77.0 | 72.9 | 67.7 | | | | | | |
| | | 800 | 59.3 | 65.3 | 67.7 | 70.0 | 71.0 | 73.6 | 73.7 | 76.6 | 77.4 | 78.9 | 77.3 | 75.9 | 73.4 | 67.0 | | | | | | |
| | VEHICLE JENOTS | 1000 | 59.1 | 65.4 | 67.1 | 69.4 | 71.2 | 72.9 | 73.2 | 75.7 | 77.0 | 77.8 | 76.7 | 74.4 | 72.8 | 66.2 | | | | | | |
| | CONFIG JE-053 | 1250 | 58.7 | 65.6 | 67.5 | 69.0 | 70.8 | 71.8 | 72.7 | 75.5 | 76.0 | 76.6 | 75.1 | 73.1 | 70.6 | 63.1 | | | | | | |
| | LOC EVENDALE | 1600 | 55.3 | 63.4 | 66.4 | 68.3 | 69.9 | 70.4 | 70.9 | 73.5 | 74.0 | 74.7 | 72.9 | 70.6 | 67.1 | 57.1 | | | | | | |
| | DATE 04-07-75 | 2000 | 50.2 | 58.9 | 63.2 | 66.7 | 68.8 | 68.8 | 69.4 | 71.6 | 71.7 | 71.9 | 69.9 | 67.6 | 63.0 | 51.3 | | | | | | |
| | RUN DBTF- R=320 | 2500 | 43.7 | 52.9 | 57.6 | 62.1 | 65.0 | 66.0 | 66.9 | 67.7 | 68.4 | 68.3 | 66.0 | 62.6 | 56.5 | 43.2 | | | | | | |
| | TAPE X80080 | 3150 | 35.0 | 46.3 | 52.1 | 56.0 | 58.6 | 61.2 | 62.9 | 63.6 | 63.0 | 62.4 | 59.9 | 55.2 | 47.8 | 30.5 | | | | | | |
| | FAN TIP SPEED | 4000 | 21.7 | 36.7 | 43.4 | 48.3 | 51.5 | 55.3 | 57.1 | 58.8 | 56.4 | 55.0 | 51.5 | 45.0 | 35.3 | 12.6 | | | | | | |
| | FT/SEC | 5000 | 13.7 | 32.5 | 40.2 | 44.3 | 47.3 | 49.8 | 52.7 | 54.9 | 52.8 | 49.2 | 45.8 | 37.0 | 26.9 | 2.3 | | | | | | |
| | | 6300 | | 13.2 | 24.3 | 30.5 | 33.2 | 37.4 | 40.0 | 42.6 | 40.2 | 37.4 | 32.6 | 21.6 | 7.3 | | | | | | | |
| | | 8000 | | | 3.0 | 11.5 | 16.1 | 19.7 | 23.3 | 26.0 | 23.1 | 20.8 | 12.9 | | | | | | | | | |
| | | 10000 | | | | | | | 5.0 | 7.3 | 1.6 | | | | | | | | | | | |
| | OVERALL CALCULATED | | 74.4 | 78.6 | 80.8 | 82.3 | 83.9 | 85.4 | 86.5 | 88.6 | 89.5 | 91.4 | 91.8 | 91.8 | 89.0 | 84.8 | | | | | | |
| | PND8 | | 77.7 | 83.9 | 86.8 | 89.1 | 91.0 | 92.1 | 93.1 | 95.3 | 95.8 | 96.9 | 96.3 | 94.7 | 90.5 | 84.8 | | | | | | |

1073

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY - JFNOTS)
 PROC: DATE - MONTH 5 DAY 2 HR, 17:1
 ANGLES FROM INLET IN DEGREES (AND RADIANIS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PHL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 88.7 | 87.0 | 87.3 | 88.9 | 90.4 | 90.5 | 92.3 | 94.3 | 96.6 | 99.6 | 100.8 | 107.0 | 109.5 | 108.6 | | | | 159.9 |
| RDG. NO. 0. | 63 | 91.6 | 91.3 | 91.6 | 90.3 | 91.7 | 92.4 | 94.5 | 96.5 | 98.2 | 100.4 | 103.7 | 110.1 | 111.3 | 108.6 | | | | 161.9 |
| RADIAL 320. FT. | 80 | 92.1 | 92.5 | 93.0 | 92.0 | 93.0 | 92.8 | 95.1 | 97.1 | 99.2 | 102.0 | 106.0 | 109.3 | 110.7 | 109.8 | | | | 162.1 |
| (98. M) | 100 | 92.0 | 92.4 | 93.7 | 93.8 | 94.0 | 94.5 | 95.9 | 99.2 | 100.6 | 104.0 | 107.7 | 108.0 | 108.0 | 110.2 | | | | 162.0 |
| VEHICLE JENOTS | 125 | 93.9 | 92.9 | 93.8 | 93.7 | 94.8 | 95.7 | 97.5 | 99.4 | 101.7 | 105.6 | 108.3 | 107.5 | 109.9 | 105.7 | | | | 161.6 |
| CONFIG JE-053 | 160 | 94.3 | 93.8 | 94.7 | 95.1 | 95.8 | 96.5 | 98.0 | 99.8 | 102.0 | 106.2 | 109.2 | 108.6 | 106.0 | 105.3 | | | | 162.3 |
| LCC EVENDALE | 200 | 93.7 | 95.1 | 94.8 | 95.4 | 96.4 | 97.9 | 99.1 | 101.4 | 102.7 | 106.4 | 108.5 | 108.1 | 106.5 | 105.3 | | | | 162.3 |
| DATE 04-04-75 | 250 | 96.3 | 95.5 | 94.5 | 96.8 | 97.9 | 98.5 | 99.0 | 100.8 | 103.7 | 107.3 | 108.8 | 108.9 | 107.8 | 107.7 | | | | 163.2 |
| RUN DBTF- R 436 | 315 | 96.6 | 96.6 | 96.5 | 95.7 | 96.9 | 97.9 | 99.7 | 101.7 | 104.8 | 107.8 | 108.8 | 109.2 | 109.4 | 108.7 | | | | 163.8 |
| TAPE X80100 | 400 | 97.2 | 97.8 | 96.9 | 96.8 | 97.7 | 98.7 | 99.1 | 102.0 | 104.4 | 107.7 | 109.0 | 110.0 | 111.4 | 110.2 | | | | 164.5 |
| BAR 29.9 HG | 500 | 99.9 | 103.0 | 99.5 | 98.8 | 98.4 | 99.8 | 100.4 | 102.5 | 105.3 | 107.9 | 109.6 | 112.3 | 114.3 | 111.5 | | | | 166.2 |
| (01039, N/M2) | 630 | 99.8 | 102.1 | 99.4 | 98.4 | 98.1 | 98.7 | 100.6 | 103.1 | 106.2 | 108.3 | 109.5 | 111.7 | 111.3 | 108.2 | | | | 165.3 |
| TAMB 59, DEG F | 800 | 100.1 | 103.6 | 103.6 | 102.9 | 101.2 | 100.5 | 100.5 | 103.4 | 105.6 | 108.0 | 109.9 | 111.8 | 110.4 | 106.7 | | | | 165.6 |
| (288, DEG K) | 1000 | 98.5 | 101.3 | 101.8 | 104.3 | 105.1 | 102.9 | 101.3 | 103.7 | 105.8 | 107.4 | 109.5 | 110.5 | 110.2 | 107.4 | | | | 165.5 |
| TWET 53, DEG F | 1250 | 98.0 | 100.0 | 100.2 | 102.0 | 104.0 | 104.7 | 102.8 | 103.8 | 105.9 | 107.2 | 109.4 | 109.5 | 109.7 | 106.1 | | | | 165.3 |
| (285, DEG K) | 1600 | 97.1 | 100.1 | 100.0 | 100.4 | 101.6 | 102.6 | 103.9 | 104.0 | 104.9 | 106.5 | 108.9 | 108.4 | 107.8 | 104.7 | | | | 164.5 |
| HACT 8.91 GM/M3 | 2000 | 95.0 | 98.3 | 98.3 | 99.9 | 101.8 | 101.4 | 102.5 | 103.7 | 104.5 | 105.6 | 107.8 | 107.3 | 106.6 | 102.9 | | | | 163.8 |
| (.00891-KG/M3) | 2500 | 93.3 | 96.3 | 97.0 | 98.3 | 100.1 | 100.1 | 100.7 | 102.2 | 103.3 | 103.8 | 106.0 | 105.2 | 104.8 | 100.8 | | | | 162.4 |
| FREQ. SHIFT | 3150 | 90.8 | 94.5 | 95.5 | 96.6 | 97.6 | 98.4 | 98.8 | 100.6 | 102.6 | 102.4 | 104.1 | 103.5 | 103.3 | 98.3 | | | | 161.2 |
| JET 9 | 4000 | 88.1 | 91.2 | 92.2 | 94.2 | 94.7 | 96.3 | 97.1 | 98.8 | 99.0 | 100.2 | 102.6 | 101.2 | 100.7 | 96.4 | | | | 159.7 |
| DIAMETER RATIO | 5000 | 85.7 | 89.9 | 90.7 | 92.5 | 92.8 | 93.1 | 93.8 | 96.4 | 97.3 | 97.6 | 100.3 | 98.2 | 98.4 | 94.9 | | | | 157.7 |
| DF/DM 8.00 | 6300 | 83.3 | 86.3 | 88.3 | 89.6 | 89.2 | 90.8 | 91.3 | 93.3 | 95.0 | 95.4 | 98.7 | 96.9 | 97.5 | 92.6 | | | | 156.9 |
| | 8000 | 80.2 | 83.4 | 85.3 | 86.3 | 86.1 | 87.3 | 87.6 | 90.4 | 92.8 | 94.0 | 97.0 | 94.5 | 96.7 | 91.5 | | | | 156.8 |
| | 10000 | 77.3 | 80.1 | 81.4 | 83.2 | 82.9 | 84.8 | 85.1 | 88.5 | 90.7 | 94.4 | 95.5 | 93.7 | 95.5 | 91.7 | | | | 158.1 |
| OVERALL CALCULATED | | 109.2 | 111.4 | 110.9 | 111.6 | 112.3 | 112.5 | 112.9 | 114.7 | 116.7 | 119.1 | 121.1 | 122.1 | 122.3 | 120.5 | | | | 176.8 |
| PND8 | | 118.6 | 121.1 | 121.4 | 122.4 | 123.5 | 123.8 | 124.4 | 126.2 | 127.8 | 129.2 | 131.3 | 131.3 | 131.1 | 128.4 | | | | 178.1 |

1074

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT RFL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIAN)S)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | 50 | 64.8 | 65.4 | 67.3 | 70.0 | 72.2 | 72.7 | 74.7 | 76.5 | 78.3 | 80.6 | 80.7 | 85.4 | 85.6 | 81.3 | | | |
| NO EGA | 63 | 67.6 | 69.7 | 71.5 | 71.3 | 73.5 | 74.5 | 76.8 | 78.6 | 79.9 | 81.5 | 83.6 | 88.5 | 87.4 | 81.1 | | | |
| SIDELINE 2400 FT | 80 | 68.0 | 70.7 | 72.8 | 72.9 | 74.7 | 74.9 | 77.4 | 79.2 | 80.9 | 82.9 | 85.8 | 87.6 | 86.6 | 82.2 | | | |
| (731.52 M) | 100 | 67.8 | 70.6 | 73.4 | 74.7 | 75.7 | 76.6 | 78.1 | 81.2 | 82.2 | 84.9 | 87.5 | 86.2 | 83.8 | 82.5 | | | |
| NFA 0. RPM | 125 | 69.5 | 71.0 | 73.5 | 74.5 | 76.4 | 77.7 | 79.6 | 81.4 | 83.2 | 86.4 | 87.9 | 85.5 | 81.6 | 77.7 | | | |
| (0. RAD/SEC) | 160 | 69.8 | 71.6 | 74.2 | 75.8 | 77.2 | 78.4 | 80.0 | 81.6 | 83.4 | 86.9 | 88.7 | 86.4 | 81.4 | 76.9 | | | |
| NFK 0. RPM | 200 | 68.9 | 72.8 | 74.1 | 75.9 | 77.8 | 79.6 | 81.0 | 83.1 | 84.0 | 86.9 | 87.8 | 85.8 | 81.7 | 76.6 | | | |
| (0. RAD/SEC) | 250 | 71.1 | 72.9 | 73.6 | 77.2 | 79.1 | 80.1 | 80.7 | 82.4 | 84.8 | 87.7 | 88.0 | 86.4 | 82.6 | 78.5 | | | |
| NFD 0. RPM | 315 | 71.0 | 73.7 | 75.4 | 75.8 | 77.8 | 79.3 | 81.3 | 83.1 | 85.7 | 88.0 | 87.7 | 86.3 | 83.9 | 78.9 | | | |
| (0. RAD/SEC) | 400 | 71.1 | 74.5 | 75.5 | 76.7 | 78.4 | 79.8 | 80.4 | 83.1 | 85.1 | 87.6 | 87.6 | 86.7 | 85.3 | 79.6 | | | |
| AIRFLOW RATIO | 500 | 73.2 | 79.2 | 77.7 | 78.3 | 78.8 | 80.7 | 81.4 | 83.3 | 85.7 | 87.4 | 87.7 | 88.9 | 87.5 | 79.9 | | | |
| WF/W 8.00 | 630 | 72.2 | 77.6 | 77.1 | 77.4 | 78.0 | 79.1 | 81.2 | 83.5 | 86.1 | 87.3 | 87.2 | 87.2 | 83.7 | 75.2 | | | |
| | 800 | 71.3 | 78.3 | 80.5 | 81.3 | 80.5 | 80.4 | 80.5 | 83.3 | 85.0 | 86.4 | 86.8 | 86.4 | 81.6 | 72.0 | | | |
| VEHICLE JENOTS | 1000 | 68.4 | 75.0 | 77.9 | 81.9 | 83.7 | 82.1 | 80.7 | 83.0 | 84.5 | 85.1 | 85.5 | 84.2 | 80.1 | 70.8 | | | |
| CONFIG JE-053 | 1250 | 66.2 | 72.3 | 75.2 | 78.8 | 81.8 | 83.1 | 81.4 | 82.3 | 83.7 | 83.9 | 84.4 | 81.9 | 77.9 | 66.9 | | | |
| LCC EVINDALE | 1600 | 62.9 | 70.6 | 73.4 | 75.8 | 78.2 | 79.9 | 81.4 | 81.3 | 81.5 | 81.9 | 82.4 | 78.9 | 73.6 | 61.9 | | | |
| DATE 04-04-75 | 2000 | 57.9 | 66.6 | 70.0 | 73.7 | 77.0 | 77.3 | 78.6 | 79.7 | 79.7 | 79.4 | 79.4 | 75.6 | 69.5 | 55.8 | | | |
| RUN DBTF- R=436 | 2500 | 52.0 | 61.4 | 66.0 | 69.9 | 73.2 | 74.0 | 74.9 | 76.2 | 76.4 | 75.3 | 75.0 | 70.3 | 63.5 | 47.4 | | | |
| TAPE X80100 | 3150 | 42.8 | 54.5 | 60.3 | 64.5 | 67.4 | 69.2 | 69.9 | 71.3 | 72.3 | 70.2 | 68.8 | 63.4 | 55.3 | 34.8 | | | |
| FAN TIP SPEED | 4000 | 30.0 | 43.5 | 50.7 | 56.5 | 59.4 | 62.3 | 63.5 | 64.8 | 63.7 | 62.5 | 61.0 | 53.5 | 42.6 | 17.8 | | | |
| FT/SEC | 5000 | 21.7 | 37.7 | 45.4 | 51.6 | 54.5 | 56.3 | 57.5 | 59.7 | 59.1 | 56.7 | 55.1 | 46.0 | 34.4 | 7.6 | | | |
| | 6300 | 2.1 | 21.0 | 32.3 | 39.3 | 42.4 | 45.9 | 47.0 | 48.4 | 48.2 | 45.1 | 42.6 | 31.6 | 16.3 | | | | |
| | 8000 | | | 12.7 | 21.5 | 26.1 | 30.0 | 31.0 | 33.0 | 32.9 | 29.2 | 24.4 | 9.1 | | | | | |
| | 10000 | | | | | 4.6 | 10.0 | 11.5 | 13.8 | 12.4 | 9.6 | | | | | | | |
| OVERALL CALCULATED | | 81.8 | 86.3 | 87.6 | 89.4 | 91.0 | 91.7 | 92.5 | 94.3 | 96.1 | 98.0 | 98.8 | 98.3 | 96.0 | 90.7 | | | |
| PNDB | | 86.7 | 92.4 | 94.4 | 96.5 | 98.8 | 99.8 | 100.9 | 102.1 | 103.1 | 104.0 | 104.4 | 103.4 | 100.6 | 93.0 | | | |

1075

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 0. | 0. | 0. | PWL |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (0.) | (0.) | (0.) | |
| NO FGA | 63 | 83.4 | 81.0 | 82.6 | 83.4 | 85.2 | 85.2 | 87.6 | 79.3 | 92.1 | 96.3 | 97.5 | 103.8 | 106.2 | 105.9 | | | | | | 156.6 |
| RDG. NO. 0. | 80 | 86.3 | 85.3 | 85.8 | 84.8 | 85.2 | 86.9 | 87.7 | 79.7 | 91.7 | 93.7 | 96.7 | 103.9 | 105.1 | 104.1 | | | | | | 155.7 |
| RADIAL 320. FT. | 100 | 86.2 | 86.2 | 87.4 | 86.5 | 87.5 | 87.8 | 89.2 | 81.9 | 93.3 | 97.0 | 100.0 | 102.5 | 102.2 | 107.2 | | | | | | 157.2 |
| (90. M) | 125 | 87.1 | 85.9 | 87.8 | 86.9 | 87.3 | 88.9 | 90.7 | 82.1 | 94.7 | 97.6 | 100.2 | 102.4 | 101.4 | 100.9 | | | | | | 156.2 |
| VEHICLE JENOTS | 160 | 85.8 | 85.5 | 86.1 | 87.1 | 88.0 | 89.0 | 90.7 | 82.0 | 94.2 | 97.2 | 100.6 | 101.0 | 99.5 | 97.7 | | | | | | 155.0 |
| CONFIG JE-053 | 200 | 84.6 | 86.3 | 86.2 | 86.5 | 87.6 | 89.3 | 90.8 | 82.3 | 93.8 | 96.3 | 99.4 | 99.5 | 96.9 | 94.5 | | | | | | 154.2 |
| LOC EVE, DALE | 250 | 85.4 | 85.4 | 85.1 | 87.5 | 88.6 | 89.2 | 89.6 | 81.4 | 93.3 | 96.5 | 98.3 | 98.6 | 94.9 | 92.6 | | | | | | 153.0 |
| DATE 04-04-75 | 315 | 84.4 | 85.7 | 86.1 | 85.4 | 87.2 | 87.8 | 89.6 | 81.6 | 93.7 | 95.5 | 96.4 | 96.8 | 93.1 | 90.1 | | | | | | 152.2 |
| RLN CBTF- R=436 | 400 | 83.3 | 85.6 | 85.3 | 85.7 | 86.8 | 88.1 | 89.5 | 80.4 | 92.3 | 94.8 | 95.7 | 94.9 | 91.6 | 88.6 | | | | | | 151.0 |
| TAPE X80110 | 500 | 82.5 | 84.5 | 84.5 | 85.2 | 86.2 | 87.7 | 88.7 | 80.3 | 92.2 | 93.5 | 94.4 | 92.9 | 89.7 | 87.1 | | | | | | 150.0 |
| BAR 29.9 HG | 630 | 81.9 | 83.9 | 83.5 | 84.5 | 85.4 | 87.0 | 88.2 | 80.2 | 91.7 | 93.1 | 93.6 | 92.3 | 88.7 | 85.7 | | | | | | 149.0 |
| (01039. N/M2) | 800 | 80.8 | 83.4 | 83.9 | 84.5 | 86.0 | 87.1 | 87.5 | 79.5 | 90.4 | 92.5 | 92.5 | 90.8 | 88.2 | 84.7 | | | | | | 148.5 |
| TAMB 59. DEG F | 1000 | 80.1 | 82.9 | 83.7 | 84.4 | 85.7 | 86.0 | 86.6 | 78.6 | 90.2 | 92.2 | 92.3 | 89.4 | 87.3 | 84.3 | | | | | | 147.7 |
| (288. DEG K) | 1250 | 79.8 | 82.2 | 83.0 | 84.0 | 85.2 | 85.4 | 85.8 | 77.8 | 89.4 | 90.4 | 90.4 | 88.5 | 86.7 | 83.3 | | | | | | 147.3 |
| THET 53. DEG F | 1600 | 78.3 | 81.4 | 81.7 | 82.4 | 84.3 | 84.8 | 85.9 | 77.7 | 88.4 | 89.8 | 89.4 | 87.4 | 85.6 | 81.5 | | | | | | 146.3 |
| (285. DEG K) | 2000 | 76.3 | 79.6 | 80.6 | 81.1 | 83.0 | 83.3 | 84.2 | 76.2 | 87.2 | 88.6 | 87.8 | 85.6 | 83.1 | 79.9 | | | | | | 145.7 |
| HACT 8.91 GH/M3 | 2500 | 74.7 | 78.8 | 79.5 | 79.8 | 81.0 | 81.5 | 82.3 | 74.1 | 86.0 | 86.0 | 86.2 | 83.4 | 81.7 | 78.3 | | | | | | 144.4 |
| (.00891 KG/M3) | 3150 | 75.1 | 82.1 | 81.6 | 81.7 | 82.2 | 82.7 | 83.6 | 75.6 | 85.1 | 84.9 | 84.1 | 81.5 | 80.4 | 77.1 | | | | | | 142.9 |
| FREQ. SHIFT | 4000 | 77.7 | 87.5 | 87.0 | 87.2 | 87.3 | 88.6 | 89.4 | 80.9 | 88.8 | 84.5 | 83.1 | 80.0 | 79.3 | 75.9 | | | | | | 143.3 |
| JET 9 | 5000 | 70.9 | 79.8 | 78.6 | 79.6 | 79.9 | 79.2 | 79.7 | 72.8 | 83.0 | 80.8 | 80.0 | 76.6 | 75.3 | 74.3 | | | | | | 147.9 |
| DIAMETER RATIO | 6300 | 65.6 | 70.8 | 71.3 | 73.1 | 72.5 | 73.0 | 73.1 | 67.0 | 76.8 | 78.4 | 77.4 | 75.4 | 74.0 | 74.8 | | | | | | 141.2 |
| DF/DH 8.00 | 8000 | 65.1 | 71.8 | 72.1 | 72.1 | 71.2 | 71.7 | 72.9 | 68.5 | 76.7 | 78.8 | 77.1 | 76.6 | 75.0 | 76.9 | | | | | | 137.5 |
| | 10000 | 64.9 | 67.8 | 67.3 | 68.3 | 69.3 | 69.4 | 69.5 | 69.4 | 76.8 | 82.3 | 78.4 | 78.9 | 77.4 | 78.9 | | | | | | 139.6 |
| OVERALL CALCULATED | | 96.4 | 97.7 | 98.0 | 98.2 | 99.3 | 100.2 | 101.4 | 93.2 | 104.9 | 107.2 | 109.4 | 112.0 | 112.4 | 112.5 | | | | | | 143.4 |
| PWDB | | 104.2 | 109.7 | 109.6 | 110.0 | 110.6 | 111.5 | 112.4 | 104.3 | 114.3 | 114.4 | 115.0 | 114.9 | 114.0 | 113.8 | | | | | | 165.4 |
| | | | | | | | | | | | | | | | | | | | | | 13 |
| | | | | | | | | | | | | | | | | | | | | | 166.7 |

1076

Model 8

☆ 10 dB TOO LOW

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV, ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 59.6 | 59.4 | 62.5 | 64.5 | 66.9 | 67.4 | 69.9 | 61.5 | 73.8 | 77.4 | 77.5 | 82.2 | 82.4 | 78.6 | | | |
| SIDELINE 2400' FT. | 63 | 62.4 | 63.7 | 65.7 | 65.8 | 67.0 | 69.0 | 70.0 | 61.9 | 73.4 | 74.7 | 76.6 | 82.2 | 81.1 | 76.6 | | | |
| (731.52 M) | 80 | 62.3 | 64.7 | 66.6 | 66.4 | 68.2 | 68.6 | 71.6 | 62.7 | 75.4 | 75.9 | 79.6 | 83.1 | 82.6 | 78.0 | | | |
| NFA | 100 | 62.0 | 64.3 | 67.2 | 67.4 | 69.1 | 69.8 | 71.4 | 63.9 | 74.9 | 77.9 | 79.7 | 80.7 | 78.0 | 79.4 | | | |
| (0. RPM) | 125 | 62.7 | 63.9 | 67.5 | 67.7 | 69.1 | 70.9 | 72.8 | 64.1 | 76.2 | 78.4 | 79.9 | 80.5 | 77.0 | 72.9 | | | |
| (0. RAD/SEC) | 160 | 61.2 | 63.3 | 65.7 | 67.8 | 69.4 | 70.8 | 72.7 | 63.8 | 75.6 | 77.8 | 80.2 | 78.9 | 74.9 | 69.4 | | | |
| NFK | 200 | 59.8 | 64.0 | 65.6 | 67.1 | 68.9 | 71.3 | 72.7 | 64.1 | 75.2 | 76.8 | 78.8 | 77.2 | 72.1 | 65.8 | | | |
| (0. RAD/SEC) | 250 | 60.3 | 62.8 | 64.3 | 67.9 | 69.7 | 70.8 | 71.4 | 63.0 | 74.5 | 76.8 | 77.4 | 76.0 | 69.8 | 63.4 | | | |
| NFD | 315 | 58.9 | 62.8 | 65.1 | 65.5 | 68.2 | 69.2 | 71.1 | 63.0 | 74.6 | 75.6 | 75.3 | 73.9 | 67.5 | 60.3 | | | |
| (0. RAD/SEC) | 400 | 57.2 | 62.3 | 63.8 | 65.5 | 67.5 | 69.2 | 70.3 | 61.5 | 73.0 | 74.7 | 74.2 | 71.5 | 65.4 | 57.9 | | | |
| AIRFLOW RATIO | 500 | 55.7 | 60.7 | 62.7 | 64.6 | 66.6 | 68.5 | 69.7 | 61.1 | 72.5 | 73.0 | 72.6 | 69.1 | 62.9 | 55.4 | | | |
| WF/WH 8.00 | 630 | 54.3 | 59.5 | 61.1 | 63.5 | 65.3 | 67.4 | 68.8 | 60.6 | 71.6 | 72.1 | 71.2 | 67.8 | 61.0 | 52.8 | | | |
| | 800 | 52.1 | 58.1 | 60.7 | 62.8 | 65.3 | 66.9 | 67.6 | 59.4 | 69.7 | 70.9 | 69.4 | 65.5 | 59.4 | 50.0 | | | |
| VEHICLE JENOTS | 1000 | 50.0 | 56.6 | 59.7 | 62.1 | 64.3 | 65.2 | 66.1 | 57.8 | 68.8 | 69.9 | 68.3 | 63.0 | 57.2 | 47.6 | | | |
| CCONFIG JE-053 | 1250 | 48.0 | 54.6 | 58.0 | 60.8 | 63.1 | 63.9 | 64.4 | 56.3 | 67.2 | 67.2 | 65.4 | 60.9 | 54.9 | 44.1 | | | |
| LOC EVENDALE | 1600 | 44.1 | 51.9 | 55.2 | 57.8 | 61.0 | 62.1 | 63.4 | 55.0 | 65.0 | 65.2 | 62.9 | 57.9 | 51.3 | 38.6 | | | |
| DATE 04-04-75 | 2000 | 39.2 | 47.9 | 52.2 | 54.9 | 58.2 | 59.3 | 60.4 | 52.1 | 62.4 | 62.4 | 59.4 | 53.9 | 45.9 | 32.8 | | | |
| RUN DBTF- R.436 | 2500 | 33.4 | 43.9 | 48.5 | 51.3 | 54.1 | 55.4 | 56.6 | 48.1 | 59.1 | 57.5 | 55.2 | 48.5 | 40.4 | 24.8 | | | |
| TAPE X80110 | 3150 | 27.1 | 42.1 | 46.4 | 49.5 | 51.9 | 53.5 | 54.7 | 46.4 | 54.8 | 52.8 | 48.9 | 41.5 | 32.3 | 13.6 | | | |
| FAN TIP SPEED | 4000 | 19.5 | 39.8 | 45.5 | 49.6 | 52.0 | 54.6 | 55.9 | 46.9 | 53.5 | 46.8 | 41.6 | 32.3 | 21.1 | | | | |
| FT/SEC | 5000 | 6.9 | 27.6 | 33.3 | 38.7 | 41.7 | 42.5 | 43.4 | 36.1 | 44.7 | 39.9 | 34.7 | 24.4 | 11.3 | | | | |
| | 6300 | | 5.9 | 15.2 | 22.8 | 25.7 | 28.1 | 28.8 | 22.1 | 30.0 | 28.1 | 21.4 | 10.1 | | | | | |
| | 8000 | | | | 7.4 | 11.2 | 14.3 | 16.4 | 11.1 | 16.7 | 14.1 | 4.5 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 71.3 | 74.0 | 76.3 | 77.6 | 79.5 | 80.9 | 82.4 | 74.0 | 85.6 | 87.4 | 88.6 | 90.0 | 88.3 | 84.8 | | | |
| PNOB | | 71.9 | 77.3 | 79.9 | 82.0 | 84.2 | 85.8 | 87.0 | 78.2 | 89.8 | 90.8 | 90.9 | 89.4 | 85.6 | 81.6 | | | |

1077

Model 8

★ 10 dB Too Low

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 86.9 | 85.2 | 84.1 | 87.2 | 88.7 | 88.7 | 90.8 | 83.1 | 95.3 | 98.6 | 100.0 | 107.0 | 109.2 | 108.6 | | | 159.6 | |
| | | 63 | 90.3 | 89.6 | 90.1 | 89.0 | 89.7 | 90.9 | 92.5 | 85.0 | 96.4 | 98.4 | 102.0 | 108.4 | 110.3 | 106.8 | | | 160.3 | |
| REG. NO. 0. | | 80 | 91.6 | 91.0 | 91.2 | 89.5 | 90.7 | 91.0 | 93.6 | 85.4 | 97.4 | 99.5 | 104.5 | 108.8 | 110.7 | 108.6 | | | 161.2 | |
| RADIAL 320. FT. | | 100 | 89.7 | 91.2 | 90.9 | 91.5 | 92.0 | 92.0 | 93.7 | 87.1 | 98.3 | 101.8 | 105.2 | 106.5 | 106.7 | 110.2 | | | 160.3 | |
| (98. H) | | 125 | 91.3 | 90.6 | 91.8 | 91.7 | 92.3 | 93.7 | 95.4 | 86.9 | 99.2 | 102.6 | 105.0 | 106.2 | 104.6 | 109.2 | | | 159.3 | |
| VEHICLE JENOTS | | 160 | 91.0 | 91.0 | 91.4 | 92.1 | 93.0 | 93.7 | 96.2 | 87.2 | 99.2 | 102.4 | 106.1 | 105.5 | 103.5 | 102.2 | | | 159.1 | |
| CONFIG JE-053 | | 200 | 90.4 | 92.0 | 91.7 | 92.5 | 93.4 | 94.8 | 96.3 | 88.3 | 99.4 | 102.6 | 105.1 | 104.5 | 102.7 | 101.0 | | | 158.6 | |
| LPC EVEN DALE | | 250 | 91.9 | 91.7 | 90.4 | 93.2 | 94.6 | 95.2 | 95.6 | 87.9 | 99.8 | 103.0 | 104.5 | 104.6 | 102.7 | 101.9 | | | 158.7 | |
| DATE 04-04-75 | | 315 | 91.7 | 92.4 | 92.6 | 92.1 | 93.7 | 94.6 | 96.3 | 88.3 | 100.4 | 103.0 | 103.9 | 104.1 | 103.1 | 102.6 | | | 158.6 | |
| RLN DBTF- R-436 | | 400 | 91.5 | 93.1 | 92.3 | 92.4 | 94.3 | 94.8 | 95.3 | 87.9 | 100.0 | 102.8 | 103.9 | 103.9 | 104.3 | 104.6 | | | 158.9 | |
| TAPE X00130 | | 500 | 90.5 | 92.0 | 91.8 | 92.6 | 93.7 | 94.7 | 96.0 | 88.0 | 100.4 | 103.0 | 103.9 | 103.2 | 104.7 | 104.6 | | | 158.9 | |
| BAR 29.9 HG | | 630 | 90.6 | 92.2 | 91.5 | 91.7 | 93.9 | 95.2 | 96.2 | 88.7 | 101.0 | 103.4 | 103.9 | 104.8 | 106.2 | 105.2 | | | 159.7 | |
| X01039, N/H2) | | 800 | 92.8 | 95.4 | 93.1 | 93.7 | 94.5 | 95.6 | 96.2 | 88.7 | 100.9 | 102.8 | 104.0 | 105.5 | 107.9 | 106.4 | | | 160.4 | |
| TAMB 59. DEG F | | 1000 | 95.4 | 97.4 | 95.2 | 94.2 | 94.9 | 95.7 | 96.1 | 88.6 | 100.4 | 103.2 | 103.1 | 105.1 | 106.8 | 105.3 | | | 160.1 | |
| (288. DEG K) | | 1250 | 96.0 | 98.7 | 98.2 | 97.5 | 96.7 | 95.2 | 95.3 | 87.8 | 100.7 | 101.7 | 102.4 | 104.9 | 105.5 | 103.6 | | | 159.4 | |
| THET 53. DEG F | | 1600 | 93.1 | 96.4 | 96.7 | 98.7 | 99.1 | 96.6 | 95.6 | 87.7 | 99.4 | 101.0 | 102.2 | 103.4 | 104.1 | 102.2 | | | 159.3 | |
| (285. DEG K) | | 2000 | 90.0 | 92.6 | 93.1 | 95.1 | 98.0 | 97.3 | 96.2 | 87.2 | 98.5 | 99.9 | 100.5 | 101.6 | 102.1 | 100.2 | | | 157.9 | |
| HACT 8.9 GM/H3 | | 2500 | 88.2 | 90.8 | 91.2 | 92.3 | 93.8 | 95.0 | 95.6 | 85.9 | 97.5 | 98.2 | 98.7 | 99.4 | 100.5 | 98.8 | | | 156.4 | |
| (00891 KG/H3) | | 3150 | 85.9 | 88.8 | 89.1 | 90.7 | 91.5 | 92.0 | 92.9 | 84.9 | 95.6 | 96.4 | 96.6 | 97.5 | 98.6 | 96.1 | | | 154.8 | |
| FREQ. SHIFT | | 4000 | 81.9 | 85.5 | 85.8 | 87.7 | 88.6 | 89.9 | 90.2 | 82.9 | 93.3 | 94.2 | 94.9 | 94.7 | 96.5 | 93.4 | | | 153.1 | |
| JET 9 | | 5000 | 80.1 | 83.3 | 83.8 | 85.6 | 85.7 | 86.5 | 87.7 | 80.1 | 91.2 | 91.3 | 92.2 | 91.6 | 94.1 | 91.8 | | | 151.0 | |
| DIAMETER RATIO | | 6300 | 77.3 | 80.8 | 81.5 | 83.3 | 82.7 | 84.0 | 84.3 | 78.5 | 88.3 | 89.9 | 90.2 | 89.9 | 91.7 | 90.1 | | | 150.0 | |
| DF/DM 8.00 | | 8000 | 75.6 | 78.0 | 78.1 | 80.1 | 79.9 | 80.7 | 80.9 | 78.0 | 87.2 | 89.6 | 88.9 | 88.8 | 90.0 | 89.6 | | | 150.5 | |
| | | 10000 | 75.4 | 77.3 | 76.3 | 78.3 | 78.3 | 79.4 | 79.0 | 78.9 | 87.1 | 89.1 | 89.2 | 89.4 | 89.7 | 90.1 | | | 153.4 | |
| OVERALL CALCULATED | | | 104.5 | 106.2 | 105.8 | 106.3 | 107.3 | 107.4 | 108.2 | 108.3 | 112.2 | 114.6 | 116.3 | 118.0 | 118.9 | 118.0 | | | 172.2 | |
| PND8 | | | 114.0 | 116.4 | 116.4 | 117.7 | 118.8 | 118.8 | 119.3 | 111.0 | 122.5 | 124.1 | 125.0 | 126.0 | 126.8 | 125.4 | | | 173.5 | |



Model 8

★ 10 dB TOO LOW

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIAN)

| REV. ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | 50 | 63.1 | 63.6 | 66.0 | 68.2 | 70.4 | 70.9 | 73.2 | 65.3 | 77.1 | 79.6 | 80.0 | 85.4 | 85.4 | 81.3 | | | |
| NO EGA | 63 | 66.4 | 67.9 | 70.0 | 70.0 | 71.5 | 73.0 | 74.8 | 67.1 | 78.2 | 79.5 | 81.9 | 86.7 | 86.4 | 79.4 | | | |
| SIDELINE 2400. FT. | 80 | 67.5 | 69.2 | 71.1 | 70.4 | 72.4 | 73.1 | 75.9 | 67.5 | 79.1 | 80.4 | 84.3 | 87.1 | 86.6 | 81.0 | | | |
| (731.52 M) | 100 | 65.5 | 69.3 | 70.7 | 72.4 | 73.6 | 74.1 | 78.9 | 69.2 | 79.9 | 82.7 | 85.0 | 84.7 | 82.5 | 82.4 | | | |
| NFA 0. RPM | 125 | 67.0 | 68.7 | 71.5 | 72.5 | 73.8 | 75.7 | 77.5 | 68.8 | 80.7 | 83.4 | 84.7 | 84.2 | 80.3 | 77.2 | | | |
| (0. RAD/SEC) | 160 | 66.5 | 68.8 | 70.9 | 72.8 | 74.4 | 75.6 | 78.2 | 69.1 | 80.6 | 83.1 | 85.7 | 83.4 | 78.9 | 73.9 | | | |
| NFK 0. RPM | 200 | 65.5 | 69.7 | 71.1 | 73.1 | 74.7 | 76.6 | 78.2 | 70.1 | 80.7 | 83.1 | 84.5 | 82.2 | 77.9 | 72.3 | | | |
| (0. RAD/SEC) | 250 | 66.8 | 69.1 | 69.5 | 73.6 | 75.7 | 76.8 | 77.4 | 69.5 | 81.0 | 83.3 | 83.7 | 82.0 | 77.6 | 72.6 | | | |
| NFD 0. RPM | 315 | 66.1 | 69.6 | 71.6 | 72.2 | 74.7 | 76.0 | 77.9 | 69.7 | 81.4 | 83.1 | 82.8 | 81.2 | 77.5 | 72.8 | | | |
| (0. RAD/SEC) | 400 | 65.4 | 69.8 | 70.8 | 72.3 | 75.0 | 76.0 | 76.6 | 69.0 | 80.7 | 82.7 | 82.5 | 80.5 | 78.2 | 73.9 | | | |
| AIRFLOW RATIO | 500 | 63.8 | 68.2 | 70.0 | 72.1 | 74.1 | 75.5 | 77.0 | 68.9 | 80.7 | 82.5 | 82.1 | 79.3 | 77.9 | 72.9 | | | |
| WF/WM 8.00 | 630 | 63.0 | 67.7 | 69.1 | 70.7 | 73.8 | 75.7 | 76.8 | 69.1 | 80.9 | 82.4 | 81.5 | 80.3 | 78.5 | 72.3 | | | |
| | 800 | 64.1 | 70.1 | 70.0 | 72.1 | 73.8 | 75.4 | 76.3 | 68.6 | 80.2 | 81.2 | 80.9 | 80.2 | 79.2 | 71.8 | | | |
| VEHICLE JENOTS | 1000 | 65.3 | 71.1 | 71.2 | 71.8 | 73.6 | 75.0 | 75.6 | 67.8 | 79.1 | 80.9 | 79.1 | 78.8 | 76.7 | 68.6 | | | |
| CONFIG JE-053 | 1250 | 64.2 | 71.1 | 73.2 | 74.3 | 74.6 | 73.6 | 73.9 | 66.3 | 78.5 | 78.4 | 77.4 | 76.9 | 73.7 | 64.4 | | | |
| LOC EVENDALE | 1600 | 58.9 | 66.9 | 70.2 | 74.1 | 75.7 | 73.9 | 73.2 | 65.0 | 76.0 | 76.4 | 75.6 | 73.9 | 69.8 | 59.4 | | | |
| DATE 04-04-75 | 2000 | 52.9 | 60.9 | 64.7 | 68.9 | 73.2 | 73.3 | 72.4 | 63.1 | 73.6 | 73.7 | 72.2 | 69.9 | 64.9 | 53.0 | | | |
| RUN DBTF- R=436 | 2500 | 46.9 | 55.9 | 60.2 | 63.8 | 66.9 | 68.9 | 69.8 | 59.8 | 70.6 | 69.8 | 67.7 | 64.5 | 59.1 | 45.3 | | | |
| TAPE X80130 | 3150 | 37.8 | 48.8 | 53.9 | 58.5 | 61.2 | 62.7 | 64.0 | 55.6 | 65.3 | 64.3 | 61.4 | 57.5 | 50.6 | 32.6 | | | |
| FAN TIP SPEED | 4000 | 23.8 | 37.8 | 44.2 | 50.1 | 53.3 | 55.9 | 56.6 | 48.9 | 58.0 | 56.5 | 53.3 | 47.0 | 38.4 | 14.9 | | | |
| FT/SEC | 5000 | 16.1 | 31.1 | 38.6 | 44.7 | 47.5 | 49.7 | 51.4 | 43.3 | 53.0 | 50.4 | 47.0 | 39.4 | 30.1 | 4.5 | | | |
| | 6300 | | 15.5 | 25.5 | 33.0 | 35.9 | 39.1 | 40.0 | 33.6 | 41.5 | 39.6 | 34.1 | 24.6 | 10.5 | | | | |
| | 8000 | | | 5.5 | 15.4 | 19.9 | 23.3 | 24.4 | 20.6 | 27.2 | 24.8 | 16.3 | 3.5 | | | | | |
| | 10000 | | | | | 0.0 | 4.7 | 5.4 | 4.2 | 8.8 | 6.2 | | | | | | | |
| OVERALL CALCULATED | | 77.4 | 81.2 | 82.8 | 84.5 | 86.4 | 87.3 | 88.6 | 80.6 | 92.1 | 93.9 | 94.8 | 95.0 | 93.3 | 88.7 | | | |
| PNOB | | 81.1 | 87.0 | 89.5 | 92.5 | 94.5 | 95.0 | 95.4 | 86.7 | 98.1 | 99.2 | 99.0 | 97.7 | 95.2 | 89.4 | | | |



Model 8

★ 10 dB TOO LOW

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL | |
|--------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|----------|------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | |
| | 50 | 91.2 | 89.2 | 89.8 | 91.7 | 93.2 | 93.5 | 94.6 | 96.8 | 99.3 | 102.6 | 105.3 | 111.0 | 113.2 | 111.6 | | | | | | | | 163.5 |
| NO EGA | 63 | 95.8 | 94.3 | 94.6 | 93.5 | 93.7 | 95.6 | 96.7 | 99.0 | 99.9 | 103.2 | 107.0 | 113.4 | 115.1 | 111.6 | | | | | | | | 165.2 |
| RCG. NO. 0. | 80 | 96.3 | 95.7 | 95.7 | 94.2 | 95.7 | 95.5 | 97.1 | 99.4 | 101.4 | 105.0 | 109.5 | 113.6 | 115.7 | 113.8 | | | | | | | | 166.2 |
| RADIAL 320. FT. | 100 | 96.5 | 96.4 | 96.1 | 96.5 | 97.0 | 97.3 | 98.4 | 101.6 | 103.3 | 106.8 | 110.2 | 111.8 | 112.7 | 112.0 | | | | | | | | 165.6 |
| (98. M) | 125 | 98.1 | 95.9 | 97.3 | 96.7 | 97.3 | 98.2 | 100.2 | 101.4 | 104.4 | 108.6 | 110.7 | 110.7 | 111.9 | 111.9 | | | | | | | | 165.2 |
| VEHICLE JENOTS | 160 | 97.5 | 97.2 | 97.6 | 97.1 | 98.2 | 99.2 | 100.7 | 102.2 | 104.7 | 109.2 | 111.6 | 111.3 | 110.9 | 110.5 | | | | | | | | 165.4 |
| CONFIG J-053 | 200 | 97.6 | 98.3 | 97.7 | 98.0 | 99.1 | 100.3 | 101.8 | 103.5 | 105.6 | 109.3 | 110.9 | 110.5 | 110.7 | 110.3 | | | | | | | | 163.3 |
| LCC EVE DALE | 250 | 99.4 | 98.7 | 97.6 | 100.0 | 100.5 | 100.9 | 101.6 | 103.7 | 106.1 | 110.0 | 110.7 | 111.6 | 112.2 | 111.1 | | | | | | | | 166.0 |
| DATE 04-04-75 | 315 | 98.9 | 99.7 | 99.6 | 98.1 | 99.7 | 100.6 | 102.1 | 104.8 | 107.4 | 110.2 | 111.1 | 112.6 | 112.5 | 111.1 | | | | | | | | 166.5 |
| RUN DBTF- R 436 | 400 | 103.5 | 108.1 | 105.5 | 102.9 | 102.8 | 103.5 | 102.7 | 105.3 | 107.5 | 111.3 | 112.8 | 116.3 | 116.5 | 115.1 | | | | | | | | 169.4 |
| TAPE X80150 | 500 | 106.0 | 112.3 | 109.0 | 105.0 | 105.0 | 106.6 | 103.9 | 106.3 | 108.4 | 111.0 | 113.4 | 118.9 | 119.1 | 117.6 | | | | | | | | 171.5 |
| BAR 29.9 HG | 630 | 100.6 | 104.6 | 103.2 | 102.2 | 101.4 | 100.9 | 102.6 | 105.1 | 108.4 | 110.4 | 111.3 | 113.5 | 112.1 | 110.2 | | | | | | | | 167.2 |
| (01039, N/M2) | 800 | 98.8 | 103.6 | 103.8 | 105.4 | 106.2 | 104.8 | 103.2 | 105.4 | 107.8 | 110.0 | 111.7 | 114.0 | 114.1 | 110.1 | | | | | | | | 168.0 |
| TAMB 59, DEG F | 1000 | 99.1 | 103.1 | 101.4 | 104.1 | 106.1 | 107.7 | 104.3 | 105.5 | 107.3 | 109.5 | 111.2 | 114.8 | 115.7 | 111.0 | | | | | | | | 168.6 |
| (288, DEG K) | 1250 | 96.9 | 101.4 | 101.4 | 102.0 | 103.4 | 104.3 | 104.4 | 105.7 | 107.1 | 108.9 | 110.8 | 112.4 | 113.4 | 107.0 | | | | | | | | 167.1 |
| TKET 53, DEG F | 1600 | 95.5 | 99.8 | 100.4 | 101.9 | 103.0 | 102.2 | 104.0 | 105.4 | 106.3 | 108.2 | 110.3 | 112.0 | 112.5 | 107.6 | | | | | | | | 166.6 |
| (285, DEG K) | 2000 | 93.8 | 98.9 | 98.9 | 100.2 | 102.6 | 102.1 | 102.7 | 104.7 | 105.5 | 106.9 | 108.6 | 110.9 | 111.4 | 106.5 | | | | | | | | 165.7 |
| HACT 8.9, GM/M3 | 2500 | 92.0 | 96.8 | 97.0 | 98.6 | 100.3 | 100.3 | 100.6 | 102.2 | 104.0 | 105.3 | 107.7 | 109.2 | 109.7 | 104.0 | | | | | | | | 164.3 |
| (.04891, KG/M3) | 3150 | 89.7 | 95.4 | 95.4 | 97.3 | 97.8 | 98.5 | 99.4 | 101.0 | 102.5 | 103.5 | 105.7 | 107.6 | 108.2 | 102.4 | | | | | | | | 163.2 |
| FREQ. SHIFT | 4000 | 86.6 | 92.1 | 92.4 | 94.1 | 94.9 | 96.0 | 97.3 | 99.0 | 99.1 | 101.3 | 104.3 | 105.1 | 106.4 | 100.1 | | | | | | | | 161.7 |
| JET 9 | 5000 | 85.3 | 90.5 | 90.7 | 92.5 | 93.1 | 93.6 | 93.8 | 96.0 | 97.1 | 98.6 | 101.6 | 102.7 | 103.9 | 98.9 | | | | | | | | 159.6 |
| DIAMETER RATIO | 6300 | 83.9 | 87.9 | 88.6 | 90.4 | 90.3 | 90.9 | 91.9 | 93.6 | 94.9 | 97.0 | 100.5 | 101.0 | 103.1 | 97.9 | | | | | | | | 159.3 |
| DF/DH 8.00 | 8000 | 83.9 | 86.3 | 87.0 | 88.9 | 88.0 | 89.0 | 89.5 | 91.8 | 92.8 | 95.2 | 99.7 | 99.9 | 102.9 | 98.4 | | | | | | | | 160.2 |
| | 10000 | 85.2 | 86.8 | 85.8 | 88.1 | 87.9 | 88.7 | 88.8 | 91.5 | 90.9 | 95.1 | 100.4 | 100.4 | 102.2 | 99.1 | | | | | | | | 162.9 |
| OVERALL CALCULATED | | 111.8 | 115.9 | 114.2 | 113.8 | 114.5 | 115.1 | 114.8 | 116.7 | 118.7 | 121.5 | 123.4 | 126.1 | 126.7 | 124.7 | | | | | | | | 179.9 |
| PNOB | | 120.5 | 125.0 | 123.6 | 123.7 | 124.9 | 125.1 | 125.5 | 127.4 | 129.0 | 131.0 | 133.3 | 135.2 | 135.8 | 133.0 | | | | | | | | 181.2 |

0801

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 67.3 | 67.6 | 69.8 | 72.7 | 74.9 | 75.7 | 76.9 | 79.0 | 81.1 | 83.6 | 85.2 | 89.4 | 89.4 | 84.3 | | | |
| SIDELINE 2400. FT. | 63 | 71.9 | 72.7 | 74.5 | 74.5 | 75.5 | 77.8 | 79.0 | 81.1 | 81.7 | 84.2 | 86.9 | 91.7 | 91.1 | 84.1 | | | |
| (731.52 M) | 80 | 72.3 | 74.0 | 75.6 | 75.2 | 77.4 | 77.6 | 79.4 | 81.5 | 83.4 | 85.9 | 89.3 | 91.8 | 91.6 | 86.2 | | | |
| NFA | 100 | 72.3 | 74.6 | 75.9 | 77.4 | 78.6 | 79.3 | 80.6 | 83.7 | 84.9 | 87.7 | 90.0 | 89.9 | 88.5 | 87.2 | | | |
| 0. RPH | 125 | 73.7 | 73.9 | 77.0 | 77.5 | 78.8 | 80.2 | 82.3 | 83.3 | 86.0 | 89.4 | 90.4 | 88.7 | 87.5 | 83.9 | | | |
| (0. RAD/SEC) | 160 | 73.0 | 75.1 | 77.2 | 77.7 | 79.7 | 81.1 | 82.7 | 84.1 | 86.1 | 89.8 | 91.1 | 89.1 | 86.4 | 82.1 | | | |
| NFK | 200 | 72.8 | 75.9 | 77.1 | 78.6 | 80.4 | 82.0 | 83.7 | 85.3 | 87.0 | 89.8 | 90.3 | 88.2 | 85.9 | 81.5 | | | |
| (0. RAD/SEC) | 250 | 74.3 | 76.1 | 76.8 | 80.4 | 81.7 | 82.5 | 83.4 | 85.3 | 87.2 | 90.3 | 89.9 | 89.0 | 87.0 | 81.9 | | | |
| NFD | 315 | 73.4 | 76.8 | 78.5 | 78.2 | 80.7 | 82.0 | 83.6 | 86.2 | 88.4 | 90.3 | 90.0 | 89.7 | 87.0 | 81.3 | | | |
| (0. RAD/SEC) | 400 | 77.4 | 84.8 | 84.0 | 82.7 | 83.5 | 84.7 | 84.0 | 86.5 | 88.2 | 91.1 | 91.4 | 93.0 | 90.4 | 84.4 | | | |
| AIRFLW RATIO | 500 | 79.2 | 88.4 | 87.2 | 85.1 | 85.3 | 87.5 | 84.9 | 87.1 | 88.7 | 90.4 | 91.5 | 95.1 | 92.3 | 85.9 | | | |
| WF/WM 8.00 | 630 | 73.0 | 80.2 | 80.8 | 81.2 | 81.3 | 81.4 | 83.2 | 85.6 | 88.4 | 89.4 | 88.9 | 89.0 | 84.5 | 77.3 | | | |
| | 800 | 70.0 | 78.3 | 80.7 | 83.8 | 85.5 | 84.6 | 83.3 | 85.3 | 87.2 | 88.4 | 88.6 | 88.7 | 85.4 | 75.5 | | | |
| VEHICLE JENOTS | 1000 | 68.9 | 76.7 | 77.4 | 81.7 | 84.8 | 86.9 | 83.8 | 84.8 | 86.0 | 87.1 | 87.3 | 88.4 | 85.6 | 74.3 | | | |
| CCNFIC JE-053 | 1250 | 65.1 | 73.7 | 76.4 | 78.7 | 81.2 | 82.8 | 83.1 | 84.2 | 84.9 | 85.6 | 85.8 | 84.8 | 81.6 | 69.8 | | | |
| LOC EVENDALE | 1600 | 61.3 | 70.3 | 73.9 | 77.3 | 79.6 | 79.6 | 81.6 | 82.7 | 83.0 | 83.6 | 83.8 | 82.5 | 78.3 | 64.8 | | | |
| DATE 04-04-75 | 2000 | 56.7 | 67.2 | 70.5 | 74.0 | 77.8 | 78.1 | 78.9 | 80.7 | 80.7 | 80.7 | 80.2 | 79.2 | 74.3 | 59.3 | | | |
| RUN DBTF- R.436 | 2500 | 50.7 | 61.9 | 66.0 | 70.1 | 73.4 | 74.2 | 74.9 | 76.1 | 77.1 | 76.8 | 76.7 | 74.3 | 68.4 | 50.6 | | | |
| TAPE X80150 | 3150 | 41.7 | 55.4 | 60.2 | 65.1 | 67.5 | 69.3 | 70.6 | 71.7 | 72.2 | 71.3 | 70.5 | 67.6 | 60.2 | 38.9 | | | |
| FAN TIP SPLED | 4000 | 28.4 | 44.4 | 50.9 | 56.4 | 59.6 | 62.0 | 63.7 | 65.0 | 63.8 | 63.7 | 62.7 | 57.4 | 48.3 | 21.5 | | | |
| FT/SEC | 5000 | 21.3 | 38.3 | 45.5 | 51.6 | 54.8 | 56.8 | 57.5 | 59.2 | 58.9 | 57.7 | 56.4 | 50.6 | 39.9 | 11.6 | | | |
| | 6300 | 2.7 | 22.6 | 32.6 | 40.1 | 43.5 | 46.0 | 47.6 | 48.7 | 48.1 | 46.7 | 44.5 | 35.7 | 21.9 | | | | |
| | 8000 | | 0.9 | 14.4 | 24.2 | 28.0 | 31.6 | 32.9 | 34.4 | 32.8 | 30.4 | 27.1 | 14.5 | | | | | |
| | 10000 | | | | 3.2 | 9.6 | 14.0 | 15.2 | 16.7 | 12.6 | 10.3 | 4.8 | | | | | | |
| OVERALL CALCULATED | | 85.4 | 91.8 | 91.9 | 92.3 | 93.8 | 94.9 | 94.9 | 96.7 | 98.5 | 100.7 | 101.4 | 102.3 | 100.3 | 94.9 | | | |
| PNOB | | 90.4 | 98.1 | 98.6 | 99.1 | 100.6 | 101.9 | 102.2 | 103.8 | 104.8 | 106.6 | 107.0 | 108.1 | 105.1 | 97.9 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV: ALPHA 12/73 | FREQ. | 50 | 88.9 | 86.7 | 87.6 | 88.9 | 89.9 | 91.0 | 92.6 | 94.6 | 96.6 | 101.1 | 103.0 | 108.8 | 111.2 | 110.1 | | | 161.5 | |
| | NO EGA | 63 | 92.6 | 91.8 | 91.6 | 90.5 | 91.5 | 92.6 | 94.2 | 97.0 | 97.9 | 101.4 | 105.0 | 111.9 | 113.1 | 110.1 | | | 163.4 | |
| RDG. NO. 0. | | 80 | 94.3 | 93.2 | 93.0 | 92.0 | 92.5 | 93.5 | 95.1 | 97.4 | 99.4 | 102.2 | 107.2 | 111.6 | 113.4 | 112.1 | | | 164.1 | |
| RADIAL 320. FT. | | 100 | 93.5 | 92.9 | 93.6 | 93.8 | 94.5 | 94.8 | 95.7 | 99.4 | 100.3 | 104.5 | 107.2 | 109.5 | 111.0 | 114.0 | | | 165.6 | |
| (98. H) | | 125 | 95.3 | 92.9 | 94.0 | 93.7 | 94.5 | 95.7 | 97.2 | 99.1 | 101.1 | 105.8 | 107.2 | 107.7 | 109.4 | 110.4 | | | 162.4 | |
| VEHICLE JENOTS | | 160 | 93.3 | 93.5 | 94.1 | 94.3 | 94.5 | 96.2 | 98.2 | 99.7 | 100.9 | 105.7 | 107.9 | 108.3 | 107.7 | 107.5 | | | 162.1 | |
| CONFIG JE-053 | | 200 | 92.3 | 93.8 | 93.7 | 94.5 | 95.4 | 97.0 | 98.6 | 100.5 | 101.6 | 105.5 | 107.1 | 106.7 | 106.4 | 106.3 | | | 161.5 | |
| LOC EVELDALE | | 250 | 94.4 | 93.9 | 93.6 | 95.5 | 96.3 | 97.4 | 98.1 | 100.4 | 102.0 | 105.7 | 106.7 | 107.1 | 107.2 | 107.1 | | | 161.7 | |
| DATE 04-04-75 | | 315 | 94.2 | 95.2 | 94.6 | 94.6 | 95.5 | 97.0 | 98.3 | 100.8 | 102.7 | 105.9 | 106.4 | 106.6 | 107.3 | 107.6 | | | 161.8 | |
| RUN DBTF- R=436 | | 400 | 94.7 | 95.3 | 95.0 | 95.7 | 96.0 | 97.0 | 98.5 | 100.8 | 102.5 | 106.0 | 106.4 | 107.3 | 108.8 | 108.1 | | | 162.3 | |
| TAPE X80180 | | 500 | 93.5 | 94.7 | 94.3 | 95.4 | 95.9 | 97.4 | 98.2 | 101.0 | 103.3 | 105.9 | 106.1 | 107.3 | 108.3 | 108.1 | | | 162.3 | |
| BAR 29.9 HG | | 630 | 101.3 | 106.1 | 99.2 | 98.4 | 98.6 | 99.4 | 99.1 | 102.1 | 103.9 | 106.8 | 108.0 | 112.5 | 113.8 | 111.9 | | | 165.9 | |
| (01039. N/42) | | 800 | 98.5 | 102.3 | 99.0 | 97.6 | 97.7 | 98.7 | 98.7 | 101.1 | 103.3 | 106.2 | 107.1 | 109.4 | 111.1 | 109.4 | | | 164.0 | |
| TAMB 59. DEG F | | 1000 | 98.0 | 102.1 | 101.1 | 100.8 | 99.3 | 97.9 | 98.8 | 101.0 | 102.5 | 105.4 | 106.2 | 107.5 | 108.4 | 107.9 | | | 163.0 | |
| (288. DEG K) | | 1250 | 96.4 | 99.8 | 100.6 | 102.4 | 102.4 | 100.8 | 99.1 | 101.2 | 103.0 | 104.5 | 105.5 | 107.1 | 108.8 | 107.9 | | | 163.2 | |
| TWET 53. DEG F | | 1600 | 94.7 | 97.5 | 97.6 | 100.0 | 101.4 | 101.2 | 100.2 | 100.8 | 101.5 | 103.9 | 105.0 | 106.5 | 107.9 | 106.1 | | | 162.5 | |
| (285. DEG K) | | 2000 | 92.5 | 96.3 | 96.3 | 97.1 | 99.1 | 99.6 | 99.9 | 100.7 | 100.7 | 102.6 | 103.8 | 105.3 | 106.6 | 104.4 | | | 161.4 | |
| HACT 8.91 GH/M3 | | 2500 | 90.2 | 93.5 | 93.9 | 95.5 | 96.5 | 96.2 | 97.8 | 98.9 | 100.2 | 101.0 | 102.1 | 103.4 | 104.4 | 102.5 | | | 159.8 | |
| (100891 KG/M3) | | 3150 | 87.9 | 91.6 | 92.1 | 93.2 | 94.2 | 95.2 | 95.6 | 97.4 | 98.4 | 99.4 | 99.7 | 101.3 | 102.9 | 100.6 | | | 153.5 | |
| FREQ. SHIFT | | 4000 | 84.3 | 88.1 | 88.9 | 90.1 | 90.6 | 92.4 | 93.0 | 94.9 | 95.6 | 97.3 | 98.2 | 99.1 | 101.1 | 98.0 | | | 156.9 | |
| JET 9 | | 5000 | 82.2 | 86.2 | 87.2 | 88.2 | 88.8 | 88.8 | 89.8 | 92.2 | 93.0 | 94.3 | 95.8 | 96.7 | 99.2 | 97.2 | | | 154.9 | |
| DIAMETER RATIO | | 6300 | 78.9 | 83.1 | 84.1 | 85.6 | 85.3 | 86.4 | 87.4 | 90.3 | 90.1 | 92.2 | 93.7 | 95.7 | 98.0 | 96.4 | | | 154.4 | |
| DF/DM 8.00 | | 8000 | 77.1 | 80.5 | 80.9 | 82.7 | 82.2 | 83.5 | 83.7 | 89.8 | 88.7 | 91.1 | 92.4 | 95.6 | 97.6 | 97.4 | | | 155.6 | |
| | | 10000 | 75.4 | 77.8 | 78.1 | 80.6 | 79.8 | 81.2 | 81.2 | 90.7 | 88.1 | 92.8 | 91.7 | 97.4 | 97.9 | 98.9 | | | 158.9 | |
| OVERALL CALCULATED | | | 108.0 | 110.9 | 109.1 | 109.7 | 110.1 | 110.4 | 110.9 | 113.0 | 114.5 | 117.5 | 119.0 | 121.3 | 122.6 | 121.9 | | | 175.7 | |
| PND8 | | | 116.8 | 120.0 | 119.0 | 120.1 | 121.0 | 121.4 | 121.9 | 123.7 | 124.9 | 127.0 | 128.1 | 129.8 | 131.1 | 129.7 | | | 177.0 | |

1082

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 65.1 | 65.1 | 67.5 | 70.0 | 71.7 | 73.2 | 74.9 | 76.8 | 78.3 | 82.1 | 83.0 | 87.2 | 87.4 | 82.8 | | | |
| SIDELINE 2400 FT? | 63 | 68.6 | 70.2 | 71.5 | 71.5 | 73.2 | 74.8 | 76.5 | 79.1 | 79.7 | 82.5 | 84.9 | 90.2 | 89.1 | 82.6 | | | |
| (731.52 M) | 80 | 70.3 | 71.5 | 72.8 | 72.9 | 74.2 | 75.6 | 77.4 | 79.5 | 81.1 | 83.2 | 87.1 | 89.8 | 89.4 | 84.5 | | | |
| NFA | 100 | 69.3 | 71.1 | 73.4 | 74.6 | 76.1 | 76.8 | 77.9 | 81.4 | 81.9 | 85.4 | 87.0 | 87.7 | 86.8 | 86.2 | | | |
| 0. RPM | 125 | 71.0 | 70.9 | 73.7 | 74.5 | 76.1 | 77.7 | 79.3 | 81.1 | 82.7 | 86.7 | 86.9 | 85.7 | 85.0 | 82.4 | | | |
| (0. RAD/SEC) | 160 | 68.7 | 71.3 | 73.7 | 75.0 | 75.9 | 78.1 | 80.2 | 81.6 | 82.4 | 86.3 | 87.4 | 86.1 | 83.1 | 79.1 | | | |
| NFK | 200 | 67.5 | 71.4 | 73.1 | 75.1 | 76.7 | 78.8 | 80.5 | 82.3 | 82.9 | 86.1 | 86.5 | 84.4 | 81.6 | 77.5 | | | |
| (0. RAD/SEC) | 250 | 69.3 | 71.3 | 72.8 | 75.8 | 77.4 | 79.0 | 79.8 | 82.0 | 83.2 | 86.1 | 85.9 | 84.5 | 82.0 | 77.9 | | | |
| NFD | 315 | 68.6 | 72.3 | 73.5 | 74.7 | 76.4 | 78.4 | 79.9 | 82.2 | 83.6 | 86.1 | 85.3 | 83.7 | 81.7 | 77.7 | | | |
| (0. RAD/SEC) | 400 | 68.6 | 72.0 | 73.5 | 75.5 | 76.7 | 78.2 | 79.8 | 82.0 | 83.2 | 85.9 | 84.9 | 84.0 | 82.6 | 77.4 | | | |
| AIRFLOW RATIO | 500 | 66.7 | 70.9 | 72.4 | 74.8 | 76.3 | 78.2 | 79.2 | 81.8 | 83.7 | 85.4 | 84.2 | 83.5 | 81.6 | 76.4 | | | |
| WF/WH 8.00 | 630 | 73.7 | 81.6 | 76.8 | 77.4 | 78.5 | 79.8 | 79.7 | 82.5 | 83.8 | 85.8 | 85.7 | 88.0 | 86.2 | 79.0 | | | |
| VEHICLE JENOTS | 800 | 69.8 | 77.0 | 75.9 | 76.0 | 77.0 | 78.6 | 78.7 | 81.0 | 82.7 | 84.6 | 84.0 | 84.1 | 82.3 | 74.7 | | | |
| CONFIG JE-053 | 1000 | 67.9 | 75.7 | 77.1 | 78.4 | 78.0 | 77.1 | 78.2 | 80.2 | 81.2 | 83.1 | 82.3 | 81.2 | 78.3 | 71.3 | | | |
| LOC EVENDALE | 1250 | 64.6 | 72.2 | 75.6 | 79.1 | 80.2 | 79.2 | 77.8 | 79.6 | 80.9 | 81.3 | 80.5 | 79.5 | 77.0 | 68.7 | | | |
| DATE 04-04-75 | 1600 | 60.5 | 68.0 | 71.0 | 75.4 | 78.1 | 78.5 | 77.8 | 78.1 | 78.1 | 79.3 | 78.5 | 77.0 | 73.7 | 63.2 | | | |
| RUN DBTF- R 436 | 2000 | 55.4 | 64.6 | 68.0 | 70.9 | 74.2 | 75.5 | 76.1 | 76.6 | 75.9 | 76.4 | 75.4 | 73.6 | 69.4 | 57.3 | | | |
| TAPE X00180 | 2500 | 48.9 | 58.6 | 63.0 | 67.0 | 69.6 | 70.2 | 72.1 | 72.8 | 73.3 | 72.5 | 71.1 | 68.5 | 63.1 | 49.1 | | | |
| FAN TIP SPEED | 3150 | 39.9 | 51.6 | 56.9 | 61.1 | 63.9 | 66.0 | 66.7 | 68.2 | 68.1 | 67.3 | 64.4 | 61.3 | 54.9 | 37.1 | | | |
| FT/SEC | 4000 | 26.1 | 40.3 | 47.3 | 52.4 | 55.3 | 58.4 | 59.4 | 61.0 | 60.3 | 59.6 | 56.7 | 51.3 | 43.0 | 19.4 | | | |
| | 5000 | 18.2 | 34.0 | 41.9 | 47.3 | 50.6 | 52.1 | 53.5 | 55.4 | 54.8 | 53.4 | 50.6 | 44.5 | 35.2 | 9.8 | | | |
| | 6300 | | 17.8 | 28.1 | 35.3 | 38.5 | 41.5 | 43.1 | 45.4 | 43.3 | 41.9 | 37.7 | 30.4 | 16.8 | | | | |
| | 8000 | | | 8.3 | 17.9 | 22.2 | 26.1 | 27.2 | 32.4 | 28.8 | 26.4 | 19.8 | 10.2 | | | | | |
| | 10000 | | | | | 1.5 | 6.4 | 7.6 | 16.0 | 9.8 | 8.0 | | | | | | | |
| OVERALL CALCULATED | | 81.0 | 86.0 | 86.1 | 87.8 | 89.1 | 90.2 | 91.1 | 93.2 | 94.3 | 96.9 | 97.3 | 98.0 | 96.8 | 92.4 | | | |
| PND8 | | 65.9 | 92.6 | 92.2 | 95.0 | 97.1 | 98.0 | 98.5 | 99.9 | 100.4 | 102.2 | 102.0 | 102.3 | 100.1 | 93.6 | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

PROC. DATE - MONTH 4 DAY 29 HR, 19.9
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|--------|-------|--|
| | | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0) | 0, (0) | 0, (0) | | |
| NO EGA | 50 | 93.7 | 91.2 | 92.1 | 93.2 | 93.4 | 94.7 | 96.8 | 97.3 | 100.6 | 106.6 | 107.3 | 113.0 | 115.7 | 113.1 | | | | 165.7 | |
| RDG. NO. 0. | 63 | 97.8 | 97.1 | 97.3 | 95.8 | 95.2 | 96.6 | 98.7 | 100.0 | 102.9 | 106.7 | 110.7 | 117.4 | 118.6 | 116.1 | | | | 168.9 | |
| RADIAL 320, FT. | 80 | 98.8 | 98.2 | 98.0 | 97.0 | 96.5 | 97.0 | 99.9 | 100.4 | 104.4 | 108.0 | 112.5 | 117.3 | 119.4 | 116.6 | | | | 169.6 | |
| (98, M) | 100 | 99.2 | 98.4 | 99.1 | 98.5 | 98.3 | 98.5 | 100.2 | 101.9 | 105.3 | 109.5 | 113.0 | 116.5 | 118.0 | 119.0 | | | | 169.5 | |
| VEHICLE JENOTS | 125 | 101.6 | 98.1 | 99.3 | 98.9 | 98.0 | 99.9 | 101.7 | 102.6 | 106.4 | 111.4 | 113.2 | 114.7 | 117.1 | 116.9 | | | | 168.8 | |
| CONFIG JE-053 | 160 | 101.8 | 99.2 | 100.4 | 100.1 | 99.0 | 100.0 | 102.9 | 103.5 | 106.7 | 111.7 | 113.9 | 116.0 | 116.7 | 115.2 | | | | 169.0 | |
| LOC EVENDALF | 200 | 100.6 | 100.5 | 100.0 | 100.0 | 99.9 | 101.5 | 103.6 | 104.3 | 107.9 | 111.6 | 113.1 | 115.3 | 116.7 | 115.0 | | | | 168.8 | |
| DATE 04-04-75 | 250 | 102.7 | 100.4 | 99.6 | 101.3 | 100.6 | 102.0 | 103.6 | 104.7 | 108.1 | 111.5 | 113.8 | 116.4 | 117.2 | 114.9 | | | | 169.4 | |
| RUN DBTF- R*320 | 315 | 102.4 | 101.7 | 101.4 | 99.9 | 99.7 | 101.1 | 103.1 | 104.8 | 109.2 | 112.2 | 113.9 | 117.6 | 117.3 | 113.4 | | | | 169.8 | |
| TAPE X80200 | 400 | 105.5 | 105.1 | 103.3 | 101.9 | 100.8 | 102.6 | 104.0 | 104.9 | 109.5 | 112.1 | 115.7 | 119.8 | 118.1 | 113.6 | | | | 171.2 | |
| BAR 29.9 HG | 500 | 105.0 | 105.8 | 103.6 | 101.4 | 101.0 | 101.9 | 103.7 | 105.3 | 109.4 | 112.0 | 115.4 | 116.6 | 114.1 | 110.6 | | | | 169.4 | |
| (01039, N/42) | 630 | 104.6 | 106.4 | 106.7 | 105.7 | 102.4 | 102.0 | 103.9 | 105.9 | 109.7 | 112.4 | 115.1 | 116.0 | 113.1 | 109.5 | | | | 169.4 | |
| TAMD 59, DFG F | 800 | 101.8 | 103.4 | 104.6 | 107.2 | 106.5 | 104.3 | 104.5 | 105.4 | 109.4 | 112.0 | 114.4 | 115.0 | 112.4 | 107.9 | | | | 168.9 | |
| (288, DFG K) | 1000 | 101.3 | 102.9 | 102.9 | 104.1 | 105.6 | 107.4 | 105.1 | 105.5 | 108.9 | 111.2 | 113.5 | 114.3 | 111.5 | 107.7 | | | | 168.4 | |
| TWET 53, DFG F | 1250 | 101.2 | 103.1 | 103.9 | 104.5 | 103.9 | 105.3 | 106.2 | 106.0 | 108.8 | 110.9 | 112.8 | 112.9 | 110.6 | 107.0 | | | | 168.0 | |
| (285, DFG K) | 1600 | 99.6 | 102.2 | 102.8 | 104.0 | 103.9 | 103.1 | 105.9 | 105.8 | 107.7 | 110.3 | 111.7 | 111.9 | 109.6 | 105.3 | | | | 167.2 | |
| HACT 8.91 GM/H3 | 2000 | 98.0 | 100.6 | 101.3 | 102.4 | 102.8 | 103.3 | 104.7 | 104.9 | 107.2 | 108.9 | 110.7 | 110.8 | 108.3 | 103.9 | | | | 166.4 | |
| (.00891 KG/H3) | 2500 | 96.2 | 98.7 | 99.7 | 101.0 | 101.2 | 101.7 | 103.3 | 103.3 | 106.2 | 107.7 | 109.6 | 109.1 | 106.4 | 102.2 | | | | 165.3 | |
| FREQ. SHIFT | 3150 | 94.5 | 97.5 | 98.5 | 99.9 | 99.4 | 100.1 | 101.3 | 101.8 | 104.3 | 105.8 | 108.0 | 106.9 | 104.8 | 100.7 | | | | 164.0 | |
| JET 9 | 4000 | 91.6 | 94.9 | 95.9 | 97.1 | 96.0 | 98.0 | 99.3 | 100.0 | 101.4 | 104.1 | 106.8 | 105.1 | 103.2 | 97.8 | | | | 162.8 | |
| DIAMETER RATIO | 5000 | 90.1 | 93.0 | 94.0 | 95.6 | 94.1 | 94.9 | 96.1 | 96.8 | 98.9 | 101.5 | 104.4 | 102.3 | 100.5 | 96.5 | | | | 160.7 | |
| DF/DH 8.00 | 6300 | 88.1 | 90.8 | 91.8 | 92.6 | 92.0 | 92.5 | 94.1 | 94.8 | 96.3 | 99.9 | 102.4 | 100.6 | 99.7 | 95.3 | | | | 160.0 | |
| OVERALL CALCULATED | 8000 | 86.1 | 88.3 | 89.5 | 90.4 | 89.3 | 90.2 | 91.5 | 92.8 | 94.7 | 99.1 | 101.4 | 99.9 | 99.1 | 96.2 | | | | 160.7 | |
| PNDP | 10000 | 86.8 | 86.9 | 87.2 | 88.7 | 88.4 | 89.5 | 89.6 | 92.0 | 92.2 | 100.2 | 101.5 | 100.3 | 100.0 | 97.7 | | | | 163.5 | |
| | | 114.3 | 114.7 | 114.7 | 115.0 | 114.5 | 115.2 | 116.3 | 117.1 | 120.5 | 123.5 | 126.0 | 128.4 | 128.4 | 126.3 | | | | 181.6 | |
| | | 122.8 | 124.3 | 124.9 | 125.6 | 125.4 | 126.0 | 127.4 | 128.0 | 130.8 | 133.3 | 135.6 | 136.4 | 135.2 | 131.7 | | | | 182.9 | |

1084

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 69.8 | 69.6 | 72.0 | 74.2 | 75.2 | 76.9 | 79.2 | 79.5 | 82.3 | 87.6 | 87.2 | 91.4 | 91.9 | 85.8 | | | |
| SIDELINE 2400. FT. | 63 | 73.9 | 75.4 | 77.2 | 76.8 | 77.0 | 78.8 | 81.0 | 82.1 | 84.7 | 87.7 | 90.6 | 95.7 | 94.6 | 88.6 | | | |
| (731.52 M) | 80 | 74.8 | 76.5 | 77.8 | 77.9 | 78.2 | 79.1 | 82.1 | 82.5 | 86.1 | 88.9 | 92.3 | 95.6 | 95.4 | 89.2 | | | |
| NFA | 100 | 75.0 | 76.6 | 78.9 | 79.4 | 79.9 | 80.6 | 82.4 | 83.9 | 86.9 | 90.4 | 92.7 | 94.7 | 93.8 | 91.2 | | | |
| 0. RPM | 125 | 77.2 | 76.2 | 79.0 | 79.7 | 79.6 | 81.9 | 83.8 | 84.6 | 88.0 | 92.2 | 92.9 | 92.7 | 92.8 | 88.9 | | | |
| (0. RAD/SEC) | 160 | 77.2 | 77.1 | 79.9 | 80.8 | 80.4 | 81.8 | 85.0 | 85.3 | 88.1 | 92.3 | 92.3 | 93.9 | 92.1 | 86.9 | | | |
| NFK | 200 | 75.8 | 78.2 | 79.3 | 80.6 | 81.2 | 83.3 | 85.5 | 86.1 | 89.2 | 92.1 | 92.5 | 92.9 | 91.9 | 86.3 | | | |
| (0. RAD/SEC) | 250 | 77.6 | 77.9 | 78.8 | 81.6 | 81.7 | 83.6 | 85.4 | 86.3 | 89.2 | 91.8 | 92.9 | 93.8 | 92.1 | 85.6 | | | |
| NFD | 315 | 76.9 | 78.8 | 80.3 | 80.0 | 80.7 | 82.5 | 84.6 | 86.2 | 90.1 | 92.4 | 92.8 | 94.7 | 91.7 | 83.5 | | | |
| (0. RAD/SEC) | 400 | 79.4 | 81.8 | 81.8 | 81.8 | 81.5 | 83.7 | 85.3 | 86.0 | 90.2 | 91.9 | 94.2 | 96.5 | 91.9 | 82.9 | | | |
| AIRFLOW RATIO | 500 | 78.2 | 82.0 | 81.7 | 80.9 | 81.3 | 82.7 | 84.7 | 86.1 | 89.7 | 91.3 | 93.5 | 92.8 | 87.4 | 78.9 | | | |
| WF/WB 8.00 | 630 | 77.0 | 81.9 | 84.4 | 84.7 | 82.3 | 82.4 | 84.5 | 86.3 | 89.6 | 91.4 | 92.7 | 91.5 | 85.5 | 76.5 | | | |
| | 800 | 73.1 | 78.1 | 81.5 | 85.6 | 85.8 | 84.2 | 84.5 | 85.3 | 88.7 | 90.4 | 91.3 | 89.7 | 83.6 | 73.3 | | | |
| VEHICLE JENOTS | 1000 | 71.2 | 76.5 | 78.9 | 81.8 | 84.3 | 86.7 | 84.5 | 84.8 | 87.5 | 88.9 | 89.6 | 88.0 | 81.4 | 71.1 | | | |
| CONFIG JE-053 | 1250 | 69.4 | 75.5 | 78.9 | 81.2 | 81.7 | 83.8 | 84.8 | 84.4 | 86.7 | 87.6 | 87.8 | 85.3 | 78.8 | 67.8 | | | |
| LOC EVENDALE | 1600 | 65.4 | 72.7 | 76.3 | 79.4 | 80.5 | 80.5 | 83.5 | 83.1 | 84.3 | 85.7 | 85.2 | 82.4 | 75.4 | 62.5 | | | |
| DATE 04-04-75 | 2000 | 60.9 | 68.9 | 73.0 | 76.2 | 78.0 | 79.3 | 80.9 | 80.9 | 82.4 | 82.7 | 82.4 | 79.1 | 71.2 | 56.8 | | | |
| RUN DBTE- R320 | 2500 | 54.9 | 63.8 | 68.7 | 72.5 | 74.3 | 75.6 | 77.5 | 77.3 | 79.3 | 79.2 | 78.6 | 74.2 | 65.1 | 48.8 | | | |
| TAPE x80200 | 3150 | 46.5 | 57.5 | 63.3 | 67.7 | 69.1 | 70.9 | 72.4 | 72.5 | 74.0 | 73.7 | 72.8 | 66.9 | 56.7 | 37.3 | | | |
| FAN TIP SPEED | 4000 | 33.4 | 47.2 | 54.4 | 59.5 | 60.7 | 64.0 | 65.8 | 66.0 | 66.1 | 66.4 | 65.2 | 57.4 | 45.0 | 19.3 | | | |
| FT/SEC | 5000 | 26.1 | 40.8 | 48.8 | 54.7 | 55.9 | 58.2 | 59.8 | 60.0 | 60.7 | 60.6 | 59.2 | 50.1 | 36.5 | 9.2 | | | |
| | 6300 | 6.9 | 25.5 | 35.8 | 42.3 | 45.2 | 47.7 | 49.8 | 49.9 | 49.5 | 49.6 | 46.4 | 35.3 | 18.5 | | | | |
| | 8000 | | 2.9 | 16.9 | 25.7 | 29.5 | 32.9 | 34.9 | 35.4 | 34.8 | 34.4 | 28.8 | 14.5 | | | | | |
| | 10000 | | | | 3.8 | 10.1 | 14.8 | 16.0 | 17.3 | 13.9 | 13.3 | 5.8 | | | | | | |
| OVERALL CALCULATED | | 87.8 | 90.3 | 92.0 | 93.3 | 93.6 | 94.9 | 96.3 | 97.1 | 100.2 | 102.7 | 104.0 | 105.2 | 103.3 | 97.7 | | | |
| PNOB | | 92.4 | 96.0 | 98.5 | 100.3 | 101.0 | 102.1 | 104.0 | 104.2 | 106.5 | 108.4 | 109.6 | 110.0 | 105.8 | 98.0 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 86.4 | 84.7 | 85.3 | 86.7 | 87.7 | 88.5 | 90.8 | 92.6 | 94.6 | 99.1 | 100.8 | 105.8 | 108.2 | 106.6 | | | 158.6 | |
| | NO EGA | 63 | 91.1 | 89.8 | 89.8 | 89.0 | 89.2 | 90.6 | 91.5 | 94.2 | 95.4 | 99.2 | 103.2 | 110.4 | 111.6 | 107.3 | | | 161.7 | |
| RDG. NO. | D. | 80 | 91.8 | 91.2 | 90.7 | 90.0 | 90.5 | 91.3 | 93.1 | 95.4 | 97.7 | 100.5 | 106.7 | 111.3 | 112.4 | 109.3 | | | 163.0 | |
| RADIAL 320. FT. | | 100 | 92.5 | 91.4 | 91.4 | 90.8 | 92.0 | 92.3 | 93.4 | 96.9 | 98.0 | 102.3 | 105.5 | 109.3 | 110.5 | 112.7 | | | 162.5 | |
| (98. M) | | 125 | 93.1 | 90.9 | 91.3 | 91.2 | 91.3 | 92.9 | 94.9 | 96.8 | 98.4 | 102.8 | 105.7 | 106.7 | 107.6 | 107.4 | | | 160.4 | |
| VEHICLE JENOTS | | 160 | 90.8 | 90.2 | 90.9 | 90.6 | 91.5 | 93.5 | 94.9 | 96.5 | 98.2 | 102.7 | 106.4 | 106.8 | 105.2 | 104.7 | | | 159.8 | |
| CONFIG JE-053 | | 200 | 89.1 | 90.5 | 90.2 | 90.8 | 91.6 | 94.0 | 95.3 | 96.8 | 98.1 | 101.0 | 104.9 | 104.2 | 102.7 | 101.3 | | | 158.2 | |
| LOC EVENDALE | | 250 | 89.9 | 89.4 | 89.1 | 91.0 | 92.0 | 93.2 | 94.1 | 96.4 | 98.0 | 101.4 | 103.2 | 103.3 | 101.2 | 99.3 | | | 157.4 | |
| DATE 04-04-75 | | 315 | 88.2 | 89.2 | 89.1 | 88.8 | 90.2 | 92.0 | 93.3 | 95.8 | 97.9 | 100.4 | 101.4 | 101.6 | 98.8 | 96.9 | | | 156.0 | |
| RUN DBTF- R 436 | | 400 | 87.0 | 88.8 | 89.0 | 89.6 | 90.3 | 91.5 | 92.5 | 95.3 | 96.7 | 100.0 | 100.4 | 100.1 | 97.3 | 95.3 | | | 155.1 | |
| TAPE X80210 | | 500 | 85.2 | 87.2 | 87.8 | 88.6 | 89.9 | 91.1 | 92.4 | 94.7 | 96.3 | 99.2 | 98.8 | 97.8 | 95.6 | 93.3 | | | 154.0 | |
| BAR 29.9 HG | | 630 | 84.8 | 86.8 | 87.2 | 87.9 | 89.1 | 90.7 | 91.9 | 94.4 | 96.4 | 98.8 | 98.5 | 97.5 | 94.8 | 92.7 | | | 153.7 | |
| (01039, N/42) | | 800 | 84.0 | 86.8 | 87.0 | 88.1 | 89.1 | 91.0 | 91.4 | 93.6 | 95.6 | 97.7 | 97.4 | 96.4 | 94.3 | 91.6 | | | 153.0 | |
| TAMB 59. DEG F | | 1000 | 83.0 | 86.1 | 86.6 | 87.5 | 89.1 | 90.1 | 90.5 | 93.0 | 94.5 | 96.4 | 96.5 | 94.5 | 93.7 | 91.2 | | | 152.1 | |
| (288. DEG K) | | 1250 | 82.4 | 85.6 | 86.1 | 87.4 | 88.4 | 89.5 | 89.6 | 92.4 | 93.8 | 95.5 | 95.8 | 93.1 | 92.1 | 90.4 | | | 151.4 | |
| THWT 53. DEG F | | 1600 | 80.4 | 84.2 | 84.6 | 86.3 | 87.7 | 88.2 | 89.7 | 91.8 | 92.8 | 94.4 | 94.5 | 92.0 | 91.2 | 89.3 | | | 150.6 | |
| (285. DEG K) | | 2000 | 78.5 | 82.6 | 83.3 | 84.4 | 86.6 | 87.3 | 88.4 | 90.4 | 91.2 | 92.6 | 93.0 | 90.3 | 89.3 | 87.2 | | | 149.2 | |
| HACT 8.91 GM/M3 | | 2500 | 76.7 | 80.7 | 81.2 | 82.5 | 84.5 | 85.0 | 86.3 | 88.6 | 90.0 | 90.7 | 91.1 | 88.4 | 87.2 | 85.0 | | | 147.7 | |
| (.00891 KG/M3) | | 3150 | 75.9 | 80.1 | 80.4 | 81.7 | 82.5 | 83.7 | 84.4 | 87.6 | 88.1 | 89.4 | 88.9 | 86.8 | 86.2 | 84.4 | | | 146.6 | |
| FREQ. SHIFT | | 4000 | 72.8 | 79.1 | 79.6 | 80.3 | 80.9 | 82.9 | 82.3 | 85.7 | 85.1 | 86.8 | 87.2 | 84.1 | 83.4 | 82.0 | | | 145.2 | |
| JET 9 | | 5000 | 75.0 | 83.4 | 84.2 | 85.0 | 86.0 | 86.8 | 86.5 | 88.7 | 88.0 | 85.3 | 85.3 | 82.2 | 82.4 | 83.2 | | | 147.7 | |
| DIAMETER RATIO | | 6300 | 77.9 | 88.3 | 88.3 | 88.4 | 88.6 | 89.4 | 88.9 | 91.3 | 91.1 | 87.0 | 86.2 | 84.2 | 84.0 | 84.6 | | | 151.7 | |
| DF/DH 8.00 | | 8000 | 74.3 | 76.3 | 74.9 | 76.7 | 76.0 | 77.2 | 77.2 | 86.8 | 85.0 | 86.1 | 86.9 | 85.4 | 84.6 | 86.6 | | | 148.3 | |
| OVERALL CALCULATED | | 10000 | 75.2 | 76.5 | 75.3 | 77.8 | 76.8 | 78.2 | 77.5 | 89.2 | 86.1 | 88.8 | 88.2 | 88.4 | 87.2 | 88.9 | | | 153.0 | |
| PWDB | | | 101.1 | 101.4 | 101.5 | 101.9 | 102.8 | 104.1 | 105.2 | 107.6 | 109.1 | 112.3 | 114.9 | 117.5 | 118.1 | 117.0 | | | 170.7 | |
| | | | 106.8 | 111.3 | 111.4 | 112.0 | 112.7 | 113.8 | 114.2 | 117.0 | 117.6 | 119.2 | 120.4 | 120.3 | 120.1 | 119.9 | | | 172.0 | |

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|-------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 62.6 | 63.1 | 65.3 | 67.7 | 69.4 | 70.7 | 73.2 | 74.8 | 76.3 | 80.1 | 80.7 | 84.2 | 84.4 | 79.3 | | | |
| SIDELINE 2400 FT. | 63 | 67.1 | 68.2 | 69.7 | 70.0 | 71.0 | 72.8 | 73.8 | 76.4 | 77.2 | 80.2 | 83.1 | 88.7 | 87.6 | 79.9 | | | |
| (731.52 M) | 80 | 67.8 | 69.5 | 70.6 | 70.9 | 72.2 | 73.4 | 75.4 | 77.5 | 79.4 | 81.4 | 86.6 | 89.6 | 88.4 | 81.7 | | | |
| NFA 0: RPM | 100 | 68.3 | 69.6 | 71.2 | 71.6 | 73.6 | 74.3 | 75.6 | 78.9 | 79.7 | 83.1 | 85.2 | 87.4 | 86.3 | 84.9 | | | |
| (0: RAD/SEC) | 125 | 68.7 | 68.9 | 70.9 | 72.0 | 72.8 | 74.9 | 77.0 | 78.8 | 79.9 | 83.7 | 85.4 | 84.7 | 83.3 | 79.4 | | | |
| NFK 0: RPM | 160 | 66.2 | 68.1 | 70.4 | 71.2 | 72.9 | 75.3 | 77.0 | 78.3 | 79.6 | 83.3 | 85.9 | 84.6 | 80.6 | 76.4 | | | |
| (0: RAD/SEC) | 200 | 64.3 | 68.2 | 69.6 | 71.3 | 72.9 | 75.8 | 77.2 | 78.5 | 79.5 | 81.6 | 84.2 | 81.9 | 77.8 | 72.5 | | | |
| NFD 0: RPM | 250 | 64.8 | 66.8 | 68.3 | 71.3 | 73.2 | 74.8 | 75.8 | 78.0 | 79.2 | 81.8 | 82.4 | 80.8 | 76.0 | 70.1 | | | |
| (0: RAD/SEC) | 315 | 62.6 | 66.3 | 68.0 | 69.0 | 71.2 | 73.4 | 74.9 | 77.2 | 78.8 | 80.6 | 80.3 | 78.7 | 73.2 | 67.0 | | | |
| AIRFLOW RATIO | 400 | 60.9 | 65.5 | 67.5 | 69.5 | 71.0 | 72.7 | 73.8 | 76.5 | 77.4 | 79.9 | 78.9 | 76.7 | 71.1 | 64.6 | | | |
| WF/WM 8.00 | 500 | 58.4 | 63.4 | 65.9 | 68.1 | 70.3 | 71.9 | 73.4 | 75.6 | 76.7 | 78.7 | 77.0 | 74.0 | 68.8 | 61.6 | | | |
| VEHICLE JENOTS | 630 | 57.2 | 62.4 | 64.8 | 66.8 | 69.0 | 71.1 | 72.5 | 74.8 | 76.3 | 77.8 | 76.2 | 73.0 | 67.2 | 59.7 | | | |
| CONFIG JE-053 | 800 | 55.2 | 61.5 | 63.9 | 66.5 | 68.5 | 70.9 | 71.5 | 73.5 | 74.9 | 76.1 | 74.3 | 71.1 | 65.6 | 56.9 | | | |
| LOC EVENDALE | 1000 | 52.9 | 59.7 | 62.6 | 65.2 | 67.7 | 69.4 | 70.0 | 72.2 | 73.2 | 74.1 | 72.5 | 68.2 | 63.6 | 54.5 | | | |
| DATE 04-04-75 | 1250 | 50.6 | 57.9 | 61.1 | 64.1 | 66.2 | 68.0 | 68.3 | 70.9 | 71.6 | 72.3 | 70.8 | 65.5 | 60.3 | 51.2 | | | |
| RUN DBTF- R-436 | 1600 | 46.2 | 54.7 | 56.0 | 61.7 | 64.3 | 65.5 | 67.2 | 69.1 | 69.4 | 69.8 | 68.0 | 62.5 | 56.9 | 46.5 | | | |
| TAPE X80210 | 2000 | 41.4 | 50.9 | 55.0 | 58.2 | 61.7 | 63.3 | 64.6 | 66.4 | 66.4 | 66.4 | 64.7 | 58.6 | 52.2 | 40.0 | | | |
| FAN TIP SPEED | 2500 | 35.4 | 45.8 | 50.2 | 54.0 | 57.6 | 58.9 | 60.6 | 62.6 | 63.1 | 62.2 | 60.1 | 53.5 | 45.9 | 31.6 | | | |
| FT/SEC | 3150 | 27.9 | 40.1 | 45.1 | 49.6 | 52.2 | 54.5 | 55.5 | 58.4 | 57.9 | 57.3 | 53.7 | 46.8 | 38.1 | 20.9 | | | |
| OVERALL CALCULATED | 4000 | 14.6 | 31.3 | 38.1 | 42.6 | 45.6 | 48.9 | 48.7 | 51.7 | 49.8 | 49.1 | 45.7 | 36.3 | 25.2 | 3.4 | | | |
| PNDP | 5000 | 11.0 | 31.2 | 38.9 | 44.1 | 47.8 | 50.1 | 50.2 | 51.9 | 49.8 | 44.4 | 40.1 | 30.0 | 18.4 | | | | |
| | 6300 | | 23.1 | 32.3 | 38.1 | 41.8 | 44.8 | 44.6 | 46.4 | 44.3 | 36.7 | 30.2 | 18.9 | 2.8 | | | | |
| | 8000 | | | 2.3 | 11.9 | 16.0 | 19.9 | 20.7 | 29.4 | 25.0 | 21.4 | 14.3 | | | | | | |
| | 10000 | | | | | | 3.4 | 3.9 | 14.5 | 7.8 | 4.0 | | | | | | | |
| 2807 OVERALL CALCULATED | | 76.2 | 78.3 | 80.1 | 81.5 | 83.1 | 85.0 | 86.4 | 88.5 | 89.7 | 92.4 | 94.2 | 95.5 | 93.9 | 89.1 | | | |
| | | 76.3 | 80.8 | 83.3 | 85.6 | 87.7 | 89.6 | 90.9 | 93.2 | 94.1 | 95.9 | 96.3 | 95.0 | 92.1 | 87.5 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | | PAL |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-----|-----|-----|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | 0 | 0 | 0 | |
| REV. ALPHA 12/73 FREQ. | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | (0) | (0) | (0) | |
| NO EGA | | 50 | 91.7 | 89.5 | 89.8 | 91.9 | 91.4 | 91.7 | 95.3 | 95.3 | 98.6 | 103.1 | 104.5 | 109.5 | 113.2 | 110.1 | | | | | | 162.9 |
| RDG. NO. 0 | | 63 | 96.3 | 95.1 | 95.3 | 94.5 | 93.5 | 94.6 | 97.2 | 97.7 | 100.4 | 104.4 | 108.5 | 114.9 | 115.6 | 112.8 | | | | | | 166.2 |
| RADIAL 320, FT. | | 80 | 96.8 | 96.5 | 96.2 | 95.0 | 94.5 | 94.8 | 97.9 | 98.6 | 101.7 | 105.2 | 110.5 | 114.3 | 116.7 | 115.8 | | | | | | 167.2 |
| (98, M) | | 100 | 98.2 | 96.4 | 96.4 | 96.8 | 95.8 | 96.0 | 98.2 | 100.4 | 102.5 | 107.3 | 109.7 | 113.3 | 115.0 | 115.5 | | | | | | 166.5 |
| VEHICLE JENOTS | | 125 | 98.6 | 95.9 | 97.8 | 96.7 | 96.3 | 97.7 | 99.9 | 100.9 | 103.9 | 107.9 | 109.7 | 111.2 | 113.9 | 112.7 | | | | | | 165.5 |
| CONFIG JEM-053 | | 160 | 97.7 | 96.7 | 97.1 | 97.2 | 96.7 | 97.9 | 100.6 | 100.9 | 104.2 | 108.1 | 110.1 | 111.4 | 112.4 | 110.4 | | | | | | 165.1 |
| LOC EVENDALE | | 200 | 96.9 | 97.3 | 97.2 | 97.8 | 97.4 | 98.8 | 101.1 | 102.0 | 104.9 | 107.8 | 108.9 | 109.9 | 110.2 | 109.0 | | | | | | 164.1 |
| DATE 04-04-75 | | 250 | 98.4 | 97.7 | 96.9 | 99.3 | 98.3 | 100.2 | 101.4 | 101.9 | 105.1 | 108.5 | 108.8 | 109.4 | 110.7 | 109.4 | | | | | | 164.4 |
| RUN DBTF R=320 | | 315 | 97.9 | 98.4 | 98.6 | 98.1 | 97.5 | 99.3 | 101.3 | 102.8 | 105.9 | 108.2 | 108.1 | 109.3 | 110.1 | 108.9 | | | | | | 164.2 |
| TAPE X80230 | | 400 | 98.5 | 99.6 | 98.5 | 98.9 | 98.1 | 99.6 | 101.8 | 102.9 | 106.3 | 108.6 | 109.2 | 110.1 | 112.1 | 110.4 | | | | | | 165.2 |
| BAR 29.9 HG | | 500 | 105.3 | 105.8 | 101.1 | 101.4 | 101.7 | 101.9 | 103.5 | 104.8 | 107.6 | 110.2 | 113.9 | 118.1 | 117.9 | 115.4 | | | | | | 170.2 |
| (01039, N/42) | | 630 | 107.6 | 107.4 | 102.2 | 102.5 | 102.7 | 102.7 | 103.9 | 104.7 | 108.0 | 109.4 | 114.3 | 120.5 | 120.4 | 117.2 | | | | | | 172.0 |
| TAMB 59 DEG F | | 800 | 100.2 | 103.9 | 103.0 | 101.9 | 99.7 | 100.0 | 101.1 | 103.7 | 106.3 | 107.9 | 108.2 | 110.7 | 112.1 | 110.4 | | | | | | 165.6 |
| (288, DEG K) | | 1000 | 100.3 | 102.4 | 103.6 | 104.6 | 103.1 | 103.7 | 102.1 | 103.3 | 105.9 | 107.0 | 109.0 | 113.3 | 114.5 | 111.7 | | | | | | 167.1 |
| TWET 53 DEG F | | 1250 | 100.7 | 100.6 | 101.4 | 103.0 | 104.4 | 105.8 | 103.4 | 103.7 | 105.8 | 106.9 | 109.3 | 114.9 | 115.1 | 112.2 | | | | | | 167.9 |
| (283, DEG K) | | 1600 | 98.9 | 100.4 | 101.0 | 101.2 | 101.2 | 102.4 | 103.2 | 103.0 | 105.0 | 106.1 | 108.2 | 112.4 | 113.4 | 110.8 | | | | | | 166.3 |
| HACT 8.91 GM/M3 | | 2000 | 96.8 | 98.1 | 98.8 | 100.1 | 100.3 | 100.3 | 102.2 | 102.7 | 104.5 | 105.6 | 107.0 | 111.3 | 112.3 | 109.4 | | | | | | 165.5 |
| (.00891 KG/M3) | | 2500 | 95.2 | 96.5 | 97.2 | 98.7 | 98.2 | 99.2 | 100.0 | 101.1 | 102.7 | 103.7 | 105.9 | 109.6 | 111.2 | 107.7 | | | | | | 164.2 |
| FREQ. SHIFT | | 3150 | 93.3 | 94.7 | 95.5 | 97.4 | 96.1 | 97.6 | 98.5 | 99.5 | 101.0 | 102.3 | 104.3 | 107.9 | 109.8 | 106.0 | | | | | | 163.1 |
| JET 9 | | 4000 | 90.3 | 91.8 | 92.4 | 94.3 | 93.2 | 94.8 | 96.3 | 97.5 | 98.4 | 100.4 | 103.0 | 105.6 | 107.9 | 102.8 | | | | | | 161.7 |
| DIAMETER RATIO | | 5000 | 88.8 | 90.3 | 90.8 | 92.6 | 91.6 | 91.9 | 93.4 | 94.8 | 96.7 | 97.2 | 100.2 | 103.1 | 105.8 | 101.5 | | | | | | 159.8 |
| DF/DM 8.00 | | 6300 | 86.3 | 88.5 | 88.5 | 90.3 | 88.5 | 89.5 | 91.1 | 92.0 | 93.3 | 96.7 | 99.2 | 101.1 | 104.0 | 100.3 | | | | | | 159.2 |
| OVERALL CALCULATED | | 8000 | 85.4 | 86.3 | 85.7 | 88.2 | 86.5 | 87.2 | 89.2 | 89.8 | 91.7 | 96.4 | 98.2 | 99.9 | 103.3 | 99.4 | | | | | | 160.1 |
| PNDB | | 10000 | 85.3 | 85.9 | 84.9 | 86.9 | 86.7 | 87.0 | 88.1 | 90.0 | 90.0 | 98.0 | 98.5 | 100.3 | 102.8 | 100.5 | | | | | | 162.9 |
| | | | 113.0 | 113.5 | 112.3 | 112.8 | 112.4 | 113.3 | 114.1 | 115.1 | 117.7 | 120.1 | 122.5 | 126.5 | 127.4 | 125.2 | | | | | | 179.7 |
| | | | 122.2 | 122.7 | 122.3 | 123.4 | 122.8 | 123.8 | 124.9 | 125.8 | 127.8 | 129.7 | 131.8 | 135.7 | 136.7 | 133.8 | | | | | | 181.0 |

8801

Model 8

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY) | | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | |
|------------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|---|--|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| REV: ALPHA 12/73 FREQ: | | (0,52) | (0,70) | (0,87) | (1,05) | (1,22) | (1,40) | (1,57) | (1,75) | (1,92) | (2,09) | (2,27) | (2,44) | (2,62) | (2,79) | (0, | (0, | (0, | | |
| 50 | | 67,8 | 67,9 | 69,8 | 73,0 | 73,2 | 73,9 | 77,7 | 77,5 | 80,3 | 84,1 | 84,5 | 87,9 | 89,4 | 82,8 | | | | | |
| NO EGA | | 63 | 72,4 | 73,4 | 75,2 | 75,5 | 75,2 | 76,8 | 79,5 | 79,9 | 82,2 | 85,5 | 88,4 | 93,2 | 91,6 | 85,4 | | | | |
| SIDELINE 2400, FT. | | 80 | 72,8 | 74,7 | 76,1 | 75,9 | 76,2 | 76,9 | 80,1 | 80,7 | 83,4 | 86,2 | 90,3 | 92,6 | 92,6 | 88,2 | | | | |
| (731,52 M) | | 100 | 74,0 | 74,6 | 76,2 | 77,7 | 77,4 | 78,1 | 80,4 | 82,4 | 84,2 | 88,2 | 89,5 | 91,4 | 90,8 | 87,7 | | | | |
| NFA | | 125 | 74,2 | 73,9 | 77,5 | 77,5 | 77,8 | 79,7 | 82,0 | 82,8 | 85,5 | 88,7 | 89,4 | 89,2 | 89,5 | 84,7 | | | | |
| (0, RAD/SEC) | | 160 | 73,2 | 74,5 | 76,6 | 77,2 | 78,1 | 79,8 | 82,6 | 82,8 | 85,6 | 88,8 | 89,6 | 89,3 | 87,8 | 82,0 | | | | |
| NFK | | 200 | 72,0 | 75,0 | 76,6 | 78,3 | 78,7 | 80,6 | 83,0 | 83,8 | 86,2 | 88,3 | 88,3 | 87,2 | 85,4 | 80,3 | | | | |
| (0, RAD/SEC) | | 250 | 73,3 | 75,1 | 76,0 | 79,6 | 79,5 | 81,8 | 83,1 | 83,5 | 86,2 | 88,8 | 87,9 | 86,8 | 85,6 | 80,1 | | | | |
| NFD | | 315 | 72,4 | 75,6 | 77,6 | 78,2 | 78,4 | 80,7 | 82,9 | 84,2 | 86,9 | 88,4 | 87,1 | 86,4 | 84,5 | 79,0 | | | | |
| (0, RAD/SEC) | | 400 | 72,4 | 76,3 | 77,1 | 78,8 | 78,7 | 80,7 | 83,1 | 84,0 | 87,0 | 88,4 | 87,7 | 86,8 | 85,9 | 79,7 | | | | |
| AIRFLOW RATIO | | 500 | 78,5 | 82,0 | 79,2 | 80,9 | 82,1 | 82,7 | 84,5 | 85,6 | 88,0 | 89,7 | 92,0 | 94,3 | 91,1 | 83,7 | | | | |
| WF/WM 8,00 | | 630 | 80,0 | 82,9 | 79,9 | 81,5 | 82,6 | 83,1 | 84,5 | 85,1 | 87,9 | 88,4 | 92,0 | 96,0 | 92,8 | 84,3 | | | | |
| 800 | | | 71,5 | 78,5 | 79,9 | 80,2 | 79,0 | 79,9 | 81,2 | 83,6 | 85,6 | 86,3 | 85,1 | 83,4 | 83,3 | 75,7 | | | | |
| VEHICLE - JENOTS | | 1000 | 70,2 | 76,0 | 79,7 | 82,3 | 81,8 | 82,9 | 81,5 | 82,5 | 84,5 | 84,6 | 85,1 | 87,0 | 84,4 | 75,1 | | | | |
| CONFIG JE-053 | | 1250 | 68,9 | 73,0 | 76,4 | 79,7 | 82,2 | 84,3 | 82,1 | 82,2 | 83,7 | 83,6 | 84,3 | 87,3 | 83,3 | 73,0 | | | | |
| LOC EVENDALE | | 1600 | 64,7 | 70,2 | 74,5 | 76,6 | 77,8 | 79,7 | 80,7 | 80,3 | 81,6 | 81,5 | 81,7 | 82,9 | 79,2 | 68,0 | | | | |
| DATE 04-04-75 | | 2000 | 59,6 | 66,4 | 70,5 | 73,9 | 75,5 | 76,3 | 78,4 | 78,6 | 79,6 | 79,4 | 78,6 | 79,6 | 75,2 | 62,3 | | | | |
| RUN DBTF R=320 | | 2500 | 53,9 | 61,6 | 66,2 | 70,2 | 71,3 | 73,1 | 74,3 | 75,0 | 75,8 | 75,2 | 74,9 | 74,7 | 69,8 | 54,3 | | | | |
| TAPE X80230 | | 3150 | 45,2 | 54,7 | 60,3 | 65,2 | 65,8 | 68,4 | 69,6 | 70,3 | 70,7 | 70,2 | 69,1 | 67,9 | 61,7 | 42,5 | | | | |
| FAN TIP SPEED | | 4000 | 32,2 | 44,1 | 50,9 | 56,7 | 57,9 | 60,8 | 62,7 | 63,5 | 63,1 | 62,7 | 61,4 | 57,9 | 49,7 | 24,2 | | | | |
| FT/SEC | | 5000 | 24,8 | 38,1 | 45,5 | 51,7 | 53,4 | 55,2 | 57,1 | 58,0 | 58,4 | 56,3 | 54,9 | 50,9 | 41,8 | 14,2 | | | | |
| 6300 | | | 5,1 | 23,2 | 32,3 | 40,0 | 41,7 | 44,7 | 46,8 | 47,1 | 46,5 | 46,4 | 43,1 | 35,8 | 22,8 | | | | | |
| 8000 | | | | 0,9 | 13,1 | 23,4 | 26,5 | 29,9 | 32,7 | 32,4 | 31,8 | 31,6 | 25,6 | 14,5 | | | | | | |
| 10000 | | | | | 2,1 | 8,4 | 12,3 | 14,5 | 15,3 | 11,7 | 13,1 | 2,8 | | | | | | | | |
| OVERALL CALCULATED | | | 86,0 | 89,0 | 89,4 | 91,1 | 91,6 | 93,0 | 94,4 | 95,2 | 97,6 | 99,5 | 100,6 | 102,5 | 100,9 | 95,1 | | | | |
| PNDB | | | 91,3 | 95,0 | 95,5 | 97,8 | 98,7 | 100,5 | 101,5 | 102,0 | 103,9 | 105,2 | 106,3 | 108,3 | 105,5 | 97,5 | | | | |

1089

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-------|--|
| SPL INPUT AT STD | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| NO EGA, | | 50 | 95.4 | 93.0 | 93.6 | 95.2 | 94.9 | 96.2 | 98.8 | 99.1 | 102.3 | 108.8 | 110.5 | 115.5 | 118.5 | 113.4 | | | 168.1 | |
| RDG. NO. 0, | | 63 | 98.1 | 98.6 | 98.8 | 98.0 | 96.7 | 98.4 | 100.5 | 102.5 | 104.9 | 109.4 | 113.0 | 119.9 | 120.1 | 117.3 | | | 170.9 | |
| RADIAL 320. FT. | | 80 | 99.8 | 99.9 | 99.4 | 97.9 | 98.4 | 98.7 | 101.6 | 102.6 | 106.9 | 111.4 | 116.4 | 120.8 | 123.1 | 119.0 | | | 173.0 | |
| (98, M) | | 100 | 100.7 | 100.7 | 101.4 | 101.0 | 100.0 | 100.5 | 102.7 | 104.6 | 107.3 | 113.0 | 116.0 | 120.3 | 121.2 | 120.2 | | | 172.5 | |
| VEHICLE JENOTS | | 125 | 103.3 | 100.6 | 101.3 | 101.2 | 100.0 | 101.9 | 104.4 | 105.6 | 109.2 | 114.4 | 116.5 | 119.2 | 121.1 | 118.4 | | | 172.2 | |
| CONFIG JE-070 | | 160 | 104.0 | 102.2 | 102.1 | 102.1 | 101.3 | 103.0 | 105.4 | 105.7 | 109.2 | 114.4 | 116.9 | 121.0 | 120.5 | 117.0 | | | 172.6 | |
| LOC EVENDALE | | 200 | 102.1 | 102.8 | 102.0 | 102.8 | 101.6 | 104.3 | 106.1 | 106.5 | 110.4 | 114.3 | 115.9 | 119.8 | 119.4 | 115.8 | | | 171.8 | |
| DATE 04-04-75 | | 250 | 104.2 | 102.9 | 101.1 | 103.5 | 102.8 | 104.7 | 105.6 | 106.9 | 111.1 | 114.2 | 116.3 | 120.6 | 119.9 | 115.1 | | | 172.3 | |
| RUN DBTFMODEL 88 | | 315 | 103.9 | 103.4 | 102.9 | 102.1 | 101.5 | 104.1 | 105.8 | 107.3 | 111.9 | 114.5 | 116.9 | 120.8 | 118.1 | 113.9 | | | 172.2 | |
| TAPE X80250 | | 400 | 108.5 | 106.6 | 105.5 | 104.7 | 103.6 | 105.8 | 106.8 | 107.6 | 112.0 | 115.1 | 119.9 | 123.1 | 118.6 | 113.4 | | | 174.0 | |
| BAR 29.6 HG | | 500 | 105.3 | 107.3 | 106.1 | 104.4 | 102.2 | 104.4 | 106.0 | 107.5 | 111.9 | 114.0 | 117.1 | 117.9 | 114.9 | 109.6 | | | 171.0 | |
| (99921. N/M2) | | 630 | 102.9 | 105.4 | 106.0 | 107.2 | 104.7 | 104.2 | 106.4 | 108.7 | 112.2 | 114.4 | 117.1 | 117.8 | 114.1 | 108.0 | | | 171.1 | |
| TAMB 44, DEG F | | 800 | 101.8 | 103.4 | 103.8 | 105.9 | 107.5 | 107.3 | 106.7 | 107.7 | 111.1 | 113.5 | 115.9 | 116.8 | 113.2 | 106.9 | | | 170.3 | |
| (280, DEG K) | | 1000 | 102.1 | 103.9 | 104.1 | 105.1 | 105.1 | 108.4 | 107.3 | 108.0 | 110.6 | 113.5 | 115.3 | 115.6 | 112.0 | 106.2 | | | 169.9 | |
| THEY 36, DEG F | | 1250 | 101.2 | 103.6 | 104.4 | 105.5 | 104.4 | 105.8 | 107.9 | 108.0 | 110.6 | 112.9 | 114.6 | 114.7 | 111.1 | 105.7 | | | 169.4 | |
| (275, DEG K) | | 1600 | 100.4 | 103.2 | 103.3 | 104.5 | 104.9 | 105.4 | 106.9 | 107.8 | 110.0 | 111.6 | 113.2 | 114.4 | 110.1 | 104.0 | | | 168.8 | |
| HACT 0, GM/M3 | | 2000 | 99.0 | 101.3 | 102.1 | 103.6 | 104.0 | 105.1 | 105.9 | 106.7 | 108.5 | 110.9 | 112.7 | 112.5 | 109.3 | 102.9 | | | 167.9 | |
| (, KG/M3) | | 2500 | 97.2 | 100.2 | 100.2 | 102.2 | 102.0 | 102.7 | 105.0 | 105.1 | 107.7 | 108.9 | 111.4 | 111.1 | 107.2 | 100.7 | | | 166.7 | |
| FREQ. SHIFT | | 3150 | 95.5 | 99.0 | 99.0 | 101.1 | 100.6 | 101.4 | 103.0 | 102.8 | 105.3 | 107.1 | 109.3 | 108.2 | 106.0 | 98.7 | | | 165.1 | |
| JET 9 | | 4000 | 92.8 | 96.1 | 96.4 | 98.6 | 97.5 | 99.5 | 101.1 | 101.5 | 102.7 | 105.1 | 107.8 | 106.4 | 104.2 | 97.3 | | | 164.0 | |
| DIAMETER RATIO | | 5000 | 91.3 | 94.3 | 94.8 | 97.3 | 95.9 | 96.7 | 97.9 | 98.3 | 100.7 | 103.5 | 105.2 | 103.1 | 102.3 | 96.5 | | | 162.0 | |
| DF/DH 8.00 | | 6300 | 89.1 | 91.8 | 92.8 | 95.6 | 93.5 | 93.3 | 95.3 | 96.0 | 98.3 | 102.2 | 103.2 | 102.6 | 101.0 | 95.6 | | | 161.5 | |
| OVERALL CALCULATED | | 8000 | 87.6 | 89.3 | 90.7 | 94.9 | 92.5 | 91.2 | 93.0 | 94.5 | 96.0 | 101.1 | 101.9 | 102.1 | 99.8 | 94.7 | | | 162.2 | |
| PNDB | | 10000 | 87.8 | 87.4 | 88.2 | 95.4 | 93.2 | 89.8 | 91.6 | 93.3 | 93.2 | 103.0 | 102.5 | 102.3 | 101.0 | 96.2 | | | 165.3 | |
| | | | 115.4 | 115.9 | 115.7 | 116.4 | 115.8 | 117.1 | 118.4 | 119.3 | 122.7 | 125.9 | 128.6 | 131.5 | 130.8 | 127.3 | | | 184.0 | |
| | | | 124.3 | 125.6 | 125.7 | 127.2 | 126.6 | 127.7 | 129.3 | 129.9 | 132.7 | 135.2 | 137.5 | 139.1 | 136.5 | 131.5 | | | 185.3 | |

0601

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| SPL INPUT AT STD | | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | | 50 | 71.6 | 71.4 | 73.5 | 76.2 | 76.7 | 78.4 | 81.2 | 81.3 | 84.1 | 89.9 | 90.5 | 93.9 | 94.6 | 86.1 | | | |
| NO EGA | | 63 | 74.1 | 76.9 | 78.7 | 79.0 | 78.5 | 80.5 | 82.8 | 84.6 | 86.7 | 90.5 | 92.9 | 98.2 | 96.1 | 89.9 | | | |
| SIDELINE 2400 FT. | | 80 | 75.8 | 78.2 | 79.3 | 78.9 | 80.2 | 80.9 | 83.9 | 84.7 | 88.6 | 92.4 | 96.3 | 99.1 | 99.1 | 91.5 | | | |
| (731.52 M) | | 100 | 76.5 | 78.8 | 81.2 | 81.9 | 81.6 | 82.6 | 84.9 | 86.7 | 88.9 | 93.9 | 95.7 | 98.4 | 97.0 | 92.4 | | | |
| NFA 0. RPM | | 125 | 79.0 | 78.7 | 81.0 | 82.0 | 81.6 | 83.9 | 86.5 | 87.6 | 90.7 | 95.2 | 96.2 | 97.2 | 96.8 | 90.4 | | | |
| (0. RAD/SEC) | | 160 | 79.5 | 80.1 | 81.7 | 82.8 | 82.7 | 84.8 | 87.5 | 87.6 | 90.6 | 95.1 | 96.4 | 98.9 | 95.9 | 88.6 | | | |
| NFK 0. RPM | | 200 | 77.3 | 80.5 | 81.3 | 83.3 | 82.9 | 86.1 | 88.0 | 88.3 | 91.7 | 94.8 | 95.3 | 97.4 | 94.6 | 87.0 | | | |
| (0. RAD/SEC) | | 250 | 79.1 | 80.4 | 80.3 | 83.9 | 84.0 | 86.3 | 87.4 | 88.5 | 92.2 | 94.6 | 95.4 | 98.0 | 94.8 | 85.9 | | | |
| NFD 0. RPM | | 315 | 78.4 | 80.6 | 81.8 | 82.2 | 82.4 | 85.5 | 87.4 | 88.7 | 92.9 | 94.6 | 95.8 | 97.9 | 92.5 | 84.0 | | | |
| (0. RAD/SEC) | | 400 | 82.4 | 83.3 | 84.1 | 84.5 | 84.2 | 87.0 | 88.1 | 88.7 | 92.7 | 94.9 | 98.5 | 99.8 | 92.4 | 82.7 | | | |
| AIRFLOW RATIO | | 500 | 78.5 | 83.5 | 84.2 | 83.9 | 82.6 | 85.2 | 87.0 | 88.4 | 92.2 | 93.5 | 95.3 | 94.1 | 88.1 | 77.9 | | | |
| WF/WM 8.00 | | 630 | 75.3 | 80.9 | 83.6 | 86.2 | 84.6 | 84.6 | 87.0 | 89.1 | 92.1 | 93.4 | 94.7 | 93.3 | 86.5 | 75.0 | | | |
| | | 800 | 73.1 | 78.1 | 80.7 | 84.3 | 86.8 | 87.2 | 86.8 | 87.6 | 90.5 | 91.9 | 92.8 | 91.4 | 84.4 | 72.3 | | | |
| VEHICLE JENOTS | | 1000 | 72.0 | 77.5 | 80.2 | 82.7 | 83.8 | 87.7 | 86.8 | 87.3 | 89.3 | 91.1 | 91.3 | 89.2 | 81.9 | 69.6 | | | |
| CONFIG JE-070 | | 1250 | 69.4 | 76.0 | 79.4 | 82.2 | 82.2 | 84.3 | 86.6 | 86.4 | 88.4 | 89.6 | 89.6 | 87.0 | 79.3 | 66.5 | | | |
| LOC EVENDALE | | 1600 | 66.2 | 73.7 | 76.8 | 79.9 | 81.5 | 82.7 | 84.5 | 85.1 | 86.6 | 87.0 | 86.7 | 84.9 | 75.9 | 61.2 | | | |
| DATE 04-04-75 | | 2000 | 61.9 | 69.6 | 73.7 | 77.4 | 79.2 | 81.0 | 82.1 | 82.6 | 83.6 | 84.7 | 84.4 | 80.8 | 72.2 | 55.8 | | | |
| RUN DBTFMODEL 8B | | 2500 | 55.9 | 65.3 | 69.2 | 73.7 | 75.1 | 76.6 | 79.3 | 79.0 | 80.8 | 80.5 | 80.4 | 76.2 | 65.8 | 47.3 | | | |
| TAPE X80250 | | 3150 | 47.5 | 59.0 | 63.8 | 68.9 | 70.3 | 72.1 | 74.1 | 73.5 | 75.0 | 74.9 | 74.1 | 68.2 | 58.0 | 35.3 | | | |
| FAN TIP SPEED | | 4000 | 34.7 | 48.4 | 54.9 | 61.0 | 62.2 | 65.5 | 67.5 | 67.5 | 67.4 | 67.4 | 66.2 | 58.7 | 46.0 | 18.8 | | | |
| FT/SEC | | 5000 | 27.3 | 42.1 | 49.5 | 56.4 | 57.7 | 59.9 | 61.6 | 61.5 | 62.4 | 62.6 | 59.9 | 50.9 | 38.3 | 9.2 | | | |
| | | 6300 | 7.9 | 26.5 | 36.8 | 45.3 | 46.7 | 48.4 | 51.0 | 51.1 | 51.5 | 51.9 | 47.1 | 37.3 | 19.8 | | | | |
| | | 8000 | | 3.9 | 18.1 | 30.2 | 32.5 | 33.9 | 36.4 | 37.2 | 36.0 | 36.4 | 29.4 | 16.8 | | | | | |
| | | 10000 | | | | 10.6 | 14.9 | 15.1 | 18.0 | 18.6 | 14.9 | 18.1 | 6.8 | | | | | | |
| OVERALL CALCULATED | | | 89.2 | 91.7 | 93.3 | 94.9 | 95.1 | 97.1 | 98.6 | 99.5 | 102.6 | 105.3 | 106.9 | 108.6 | 106.0 | 98.9 | | | |
| PNDB | | | 94.2 | 97.4 | 99.2 | 101.6 | 102.2 | 104.1 | 105.7 | 106.4 | 108.8 | 110.8 | 112.5 | 112.9 | 107.4 | 98.6 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 77.9 | 75.7 | 77.1 | 78.9 | 80.4 | 80.7 | 82.6 | 85.3 | 87.1 | 90.1 | 89.5 | 95.3 | 97.5 | 98.1 | | | 148.8 | |
| | | 63 | 79.6 | 79.6 | 80.3 | 79.3 | 80.5 | 81.6 | 83.5 | 85.2 | 86.7 | 88.2 | 90.2 | 96.6 | 97.3 | 98.8 | | | 149.2 | |
| NO EGA | | 80 | 80.1 | 80.2 | 80.7 | 80.2 | 81.5 | 81.8 | 84.1 | 85.9 | 87.7 | 88.2 | 92.0 | 96.1 | 96.9 | 97.8 | | | 149.1 | |
| RCG. NO. 0. | | 100 | 79.2 | 80.9 | 81.1 | 81.8 | 82.5 | 83.0 | 83.9 | 87.1 | 88.3 | 90.5 | 92.7 | 94.3 | 93.0 | 95.7 | | | 148.1 | |
| RADIAL 320. FT. | | 125 | 80.6 | 79.4 | 82.8 | 81.7 | 82.5 | 83.7 | 85.2 | 87.1 | 88.7 | 91.1 | 92.7 | 94.4 | 91.9 | 91.2 | | | 147.8 | |
| (98. M) | | 160 | 79.8 | 80.2 | 81.1 | 81.6 | 82.5 | 83.5 | 85.9 | 86.5 | 88.2 | 90.4 | 93.4 | 93.8 | 91.0 | 88.2 | | | 147.4 | |
| VEHICLE JETNOTS | | 200 | 79.4 | 81.3 | 81.0 | 81.3 | 82.9 | 84.3 | 85.1 | 86.3 | 87.4 | 89.8 | 91.9 | 92.8 | 88.7 | 86.0 | | | 146.5 | |
| CONFIG JE-053 | | 250 | 80.2 | 79.9 | 79.9 | 82.0 | 82.8 | 84.0 | 84.4 | 85.9 | 87.3 | 89.2 | 90.5 | 90.6 | 87.4 | 84.4 | | | 145.5 | |
| LOC EVENDALE | | 315 | 79.4 | 79.9 | 80.6 | 79.9 | 81.0 | 82.3 | 83.6 | 85.6 | 86.7 | 88.2 | 89.4 | 89.1 | 85.6 | 82.9 | | | 144.4 | |
| DATE 04-04-75 | | 400 | 77.3 | 79.6 | 80.0 | 80.7 | 81.1 | 82.3 | 82.5 | 84.6 | 85.5 | 87.3 | 88.2 | 87.9 | 84.8 | 81.9 | | | 143.6 | |
| RUN DBTF- R=436 | | 500 | 76.5 | 78.8 | 79.1 | 79.7 | 80.2 | 81.7 | 82.2 | 84.3 | 85.2 | 87.2 | 87.2 | 85.7 | 82.7 | 80.1 | | | 142.8 | |
| TAPF X80260 | | 630 | 75.4 | 78.2 | 78.8 | 79.2 | 80.2 | 81.0 | 81.7 | 83.9 | 85.0 | 86.1 | 86.9 | 85.0 | 81.9 | 79.5 | | | 142.3 | |
| BAR 29.9 HG | | 800 | 76.1 | 78.2 | 78.4 | 79.0 | 80.2 | 81.3 | 81.0 | 83.0 | 83.9 | 85.5 | 85.7 | 84.3 | 81.4 | 78.9 | | | 141.7 | |
| (01039, N/42) | | 1000 | 74.1 | 77.2 | 78.2 | 78.7 | 79.9 | 80.5 | 80.6 | 82.3 | 83.4 | 85.2 | 84.8 | 83.1 | 80.5 | 78.0 | | | 141.2 | |
| TAMB 59. DEG F | | 1250 | 73.5 | 77.2 | 77.5 | 78.5 | 79.2 | 79.2 | 80.0 | 81.6 | 82.7 | 83.4 | 83.7 | 81.8 | 79.2 | 78.1 | | | 140.3 | |
| (288, DEG K) | | 1600 | 72.1 | 76.4 | 76.5 | 77.2 | 79.1 | 79.1 | 79.6 | 80.7 | 82.2 | 82.8 | 83.2 | 80.6 | 78.6 | 77.2 | | | 139.9 | |
| TWET 53. DEG F | | 2000 | 70.0 | 74.6 | 75.3 | 75.9 | 77.5 | 78.1 | 78.2 | 79.7 | 80.7 | 81.6 | 81.5 | 79.3 | 77.1 | 74.2 | | | 138.7 | |
| (285, DEG K) | | 2500 | 68.2 | 74.5 | 74.7 | 75.5 | 76.8 | 77.5 | 77.8 | 78.9 | 80.2 | 80.0 | 79.7 | 77.7 | 75.2 | 73.5 | | | 138.0 | |
| HACT 8.91 GM/M3 | | 3150 | 71.9 | 86.1 | 85.6 | 85.7 | 86.2 | 86.5 | 86.1 | 88.6 | 88.4 | 84.2 | 79.6 | 77.5 | 77.1 | 75.8 | | | 146.3 | |
| (.00891 KG/M3) | | 4000 | 66.9 | 80.2 | 78.8 | 79.0 | 79.3 | 80.6 | 80.2 | 83.1 | 83.0 | 81.0 | 78.1 | 75.0 | 73.8 | 72.4 | | | 141.6 | |
| FREQ. SHIFT | | 5000 | 61.9 | 66.8 | 67.6 | 68.6 | 69.7 | 70.2 | 69.9 | 72.1 | 74.2 | 74.3 | 74.5 | 71.6 | 71.1 | 72.3 | | | 133.4 | |
| JET 9 | | 6300 | 61.6 | 67.0 | 66.5 | 68.1 | 67.7 | 68.8 | 68.6 | 70.7 | 73.8 | 74.4 | 74.4 | 71.6 | 72.0 | 73.8 | | | 134.2 | |
| DIAMETER RATIO | | 8000 | 63.3 | 66.3 | 65.4 | 66.9 | 67.2 | 66.9 | 66.1 | 69.5 | 74.4 | 75.8 | 75.6 | 73.6 | 73.8 | 76.4 | | | 136.8 | |
| DF/DH 8.00 | | 10000 | 64.4 | 66.5 | 65.1 | 67.8 | 67.6 | 67.4 | 67.0 | 69.9 | 75.6 | 79.1 | 77.4 | 76.2 | 76.2 | 78.6 | | | 141.5 | |
| OVERALL CALCULATED | | | 90.4 | 92.8 | 93.2 | 93.5 | 94.4 | 95.2 | 96.1 | 98.0 | 99.1 | 100.7 | 102.1 | 104.1 | 103.7 | 104.4 | | | 150.6 | |
| PNOB | | | 98.2 | 106.2 | 106.1 | 106.4 | 107.1 | 107.7 | 107.8 | 110.0 | 110.7 | 109.7 | 108.7 | 108.2 | 106.4 | 106.1 | | | 150.9 | |

1092

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|---------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 54.1 | 54.1 | 57.0 | 60.0 | 62.2 | 62.9 | 64.9 | 67.5 | 68.8 | 71.1 | 69.5 | 73.7 | 73.6 | 70.8 | | | |
| SIDE LINE 2400. FT; | 63 | 55.6 | 57.9 | 60.2 | 60.3 | 62.2 | 63.8 | 65.8 | 67.4 | 68.4 | 69.2 | 70.1 | 75.0 | 73.4 | 71.4 | | | |
| (731.52 M) | 80 | 56.0 | 58.5 | 60.6 | 61.2 | 63.2 | 63.9 | 66.4 | 68.0 | 69.4 | 69.2 | 71.8 | 74.3 | 72.9 | 70.2 | | | |
| NFA 0. RPM | 100 | 55.0 | 59.1 | 60.9 | 62.7 | 64.1 | 65.1 | 66.1 | 69.2 | 69.9 | 71.4 | 72.5 | 72.4 | 68.8 | 67.9 | | | |
| (0. RAD/SEC) | 125 | 56.2 | 57.4 | 62.5 | 62.5 | 64.1 | 65.7 | 67.3 | 69.1 | 70.2 | 71.9 | 72.4 | 72.5 | 67.5 | 63.2 | | | |
| NFK 0. RPM | 160 | 55.2 | 58.1 | 60.7 | 62.3 | 63.9 | 65.3 | 68.0 | 68.3 | 69.6 | 71.1 | 72.9 | 71.6 | 66.4 | 59.9 | | | |
| (0. RAD/SEC) | 200 | 54.5 | 59.0 | 60.3 | 61.8 | 64.2 | 66.1 | 67.0 | 68.1 | 68.7 | 70.3 | 71.3 | 70.4 | 63.9 | 57.3 | | | |
| NFD 0. RPM | 250 | 55.0 | 57.3 | 59.0 | 62.4 | 64.0 | 65.6 | 66.1 | 67.5 | 68.5 | 69.6 | 69.7 | 68.0 | 62.3 | 55.1 | | | |
| (0. RAD/SEC) | 315 | 53.9 | 57.1 | 59.6 | 60.0 | 61.9 | 63.7 | 65.1 | 67.0 | 67.6 | 68.4 | 68.3 | 66.2 | 60.0 | 53.0 | | | |
| AIRFLOW RATIO | 400 | 51.2 | 56.3 | 58.6 | 60.5 | 61.7 | 63.5 | 63.8 | 65.8 | 66.2 | 67.2 | 66.7 | 64.5 | 58.7 | 51.2 | | | |
| WF/WM 8.00 | 500 | 49.7 | 55.0 | 57.2 | 59.1 | 60.6 | 62.5 | 63.2 | 65.1 | 65.5 | 66.7 | 65.3 | 61.8 | 55.9 | 48.4 | | | |
| | 630 | 47.8 | 53.7 | 56.4 | 58.3 | 60.1 | 61.4 | 62.3 | 64.3 | 64.9 | 65.1 | 64.5 | 60.6 | 54.3 | 46.5 | | | |
| | 800 | 47.3 | 52.8 | 55.2 | 57.3 | 59.6 | 61.2 | 61.1 | 62.9 | 63.2 | 63.9 | 62.6 | 59.0 | 52.7 | 44.3 | | | |
| VEHICLE JENOTS | 1000 | 44.0 | 50.8 | 54.2 | 56.3 | 58.6 | 59.7 | 60.1 | 61.6 | 62.1 | 62.9 | 60.9 | 56.8 | 50.4 | 41.4 | | | |
| CONFIG JE-053 | 1250 | 41.7 | 49.6 | 52.5 | 55.3 | 57.1 | 57.6 | 58.7 | 60.0 | 60.5 | 60.2 | 58.7 | 54.1 | 47.4 | 38.9 | | | |
| LOC EVENDALE | 1600 | 37.9 | 46.9 | 49.9 | 52.6 | 55.7 | 56.4 | 57.2 | 58.0 | 58.8 | 58.2 | 56.6 | 51.1 | 44.3 | 34.4 | | | |
| DATE 04-04-75 | 2000 | 32.9 | 42.9 | 47.0 | 49.7 | 52.7 | 54.0 | 54.4 | 55.6 | 55.9 | 55.4 | 53.2 | 47.6 | 39.9 | 27.0 | | | |
| RUN DBTF - R 436 | 2500 | 26.9 | 39.6 | 43.7 | 47.0 | 49.9 | 51.4 | 52.1 | 52.8 | 53.3 | 51.5 | 48.7 | 42.8 | 33.9 | 20.1 | | | |
| TAPE X80260 | 3150 | 23.8 | 46.1 | 50.4 | 53.5 | 55.9 | 57.2 | 57.2 | 59.4 | 58.1 | 52.0 | 44.4 | 37.5 | 29.1 | 12.4 | | | |
| FAN TIP SPEED | 4000 | 8.6 | 32.5 | 37.2 | 41.3 | 44.0 | 46.6 | 46.6 | 49.1 | 47.7 | 43.3 | 36.6 | 27.3 | 15.6 | | | | |
| FT/SEC | 5000 | | 14.6 | 22.3 | 27.7 | 31.5 | 33.5 | 33.6 | 35.3 | 36.0 | 33.4 | 29.2 | 19.4 | 7.1 | | | | |
| | 6300 | | 1.7 | 10.5 | 17.8 | 20.9 | 23.9 | 24.3 | 25.9 | 27.0 | 24.1 | 18.4 | 6.3 | | | | | |
| | 8000 | | | | 2.1 | 7.2 | 9.6 | 9.6 | 12.1 | 14.5 | 11.1 | 3.0 | | | | | | |
| OVERALL CALCULATED | 10000 | 65.2 | 68.4 | 70.9 | 72.4 | 74.2 | 75.6 | 77.0 | 78.7 | 79.6 | 80.7 | 81.3 | 82.1 | 79.5 | 76.7 | | | |
| PND8 | | 65.8 | 71.9 | 75.4 | 78.0 | 80.3 | 81.7 | 82.3 | 84.2 | 84.2 | 83.7 | 83.4 | 81.6 | 75.7 | 70.5 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|----------|--|--|-------|
| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | (0.) | (0.) | (0.) | | | |
| | 50 | 82.2 | 80.5 | 82.3 | 83.4 | 84.7 | 84.5 | 86.6 | 78.8 | 90.8 | 93.3 | 93.8 | 99.8 | 102.5 | 101.9 | | | | | | 153.0 |
| NO EGA | 63 | 84.3 | 84.3 | 85.3 | 84.8 | 85.7 | 86.9 | 88.2 | 80.0 | 91.4 | 93.9 | 97.0 | 102.6 | 103.1 | 100.6 | | | | | | 154.3 |
| RDG. NO. 0. | 80 | 85.1 | 85.7 | 86.5 | 85.2 | 86.5 | 86.8 | 88.9 | 80.9 | 92.7 | 94.2 | 98.2 | 101.8 | 102.2 | 100.3 | | | | | | 154.0 |
| RADIAL 320. FT. | 100 | 84.5 | 85.4 | 86.4 | 87.3 | 88.0 | 87.8 | 89.4 | 82.4 | 93.0 | 96.8 | 99.2 | 100.3 | 99.0 | 100.5 | | | | | | 153.6 |
| (98. M) | 125 | 86.6 | 85.9 | 88.0 | 87.4 | 88.3 | 88.9 | 91.2 | 82.4 | 94.2 | 97.4 | 99.2 | 100.2 | 97.4 | 95.4 | | | | | | 153.3 |
| VEHICLE JENOTS | 160 | 86.0 | 87.0 | 87.6 | 88.1 | 88.8 | 89.7 | 91.7 | 82.5 | 94.2 | 97.2 | 100.6 | 100.0 | 96.2 | 93.7 | | | | | | 153.6 |
| CONFIG JE-053 | 200 | 85.4 | 87.3 | 87.2 | 87.8 | 89.6 | 90.3 | 91.8 | 83.8 | 94.4 | 97.3 | 99.1 | 98.5 | 95.9 | 92.8 | | | | | | 153.0 |
| LOC EVEN DALE | 250 | 87.2 | 87.4 | 86.9 | 89.5 | 90.1 | 91.0 | 91.4 | 83.2 | 94.8 | 97.2 | 99.5 | 99.1 | 96.2 | 92.6 | | | | | | 153.3 |
| DATE 04-04-75 | 315 | 85.9 | 87.7 | 87.9 | 87.4 | 89.0 | 90.3 | 91.3 | 83.3 | 95.4 | 97.2 | 98.4 | 98.3 | 95.1 | 92.9 | | | | | | 152.8 |
| RUN DBTF- R 436 | 400 | 85.8 | 87.9 | 88.0 | 88.2 | 89.6 | 90.1 | 91.3 | 83.1 | 94.8 | 97.8 | 98.4 | 97.9 | 95.1 | 93.1 | | | | | | 152.9 |
| TAPE X80270 | 500 | 84.5 | 87.5 | 87.5 | 87.6 | 89.0 | 90.4 | 91.7 | 83.0 | 95.4 | 97.2 | 97.9 | 96.9 | 94.7 | 92.9 | | | | | | 152.6 |
| BAR 29.9 HG | 630 | 84.4 | 86.9 | 87.0 | 87.5 | 88.7 | 89.7 | 91.4 | 83.9 | 95.5 | 97.4 | 97.9 | 97.5 | 94.9 | 93.3 | | | | | | 152.7 |
| (01039, N/M2) | 800 | 84.1 | 86.9 | 87.9 | 88.5 | 89.7 | 90.1 | 91.0 | 83.5 | 95.4 | 97.3 | 97.7 | 97.3 | 95.4 | 94.9 | | | | | | 152.8 |
| TAMB 59. DEG F | 1000 | 84.1 | 86.7 | 87.2 | 88.2 | 89.4 | 90.2 | 91.1 | 83.3 | 94.4 | 96.8 | 97.1 | 96.6 | 95.5 | 95.8 | | | | | | 152.5 |
| (288. DEG K) | 1250 | 84.0 | 86.2 | 86.5 | 87.8 | 89.5 | 89.9 | 90.0 | 82.8 | 94.7 | 95.9 | 96.9 | 95.5 | 95.5 | 95.6 | | | | | | 152.2 |
| THET 53. DEG F | 1600 | 82.3 | 85.6 | 86.0 | 86.9 | 89.1 | 89.3 | 90.6 | 82.0 | 93.4 | 95.5 | 96.2 | 94.9 | 94.3 | 94.2 | | | | | | 151.7 |
| (285. DEG K) | 2000 | 80.3 | 83.8 | 84.6 | 85.4 | 87.3 | 88.3 | 89.2 | 81.4 | 92.7 | 94.1 | 94.5 | 93.6 | 93.1 | 92.2 | | | | | | 150.5 |
| HACT 8.91 GM/M3 | 2500 | 78.5 | 81.5 | 83.0 | 84.0 | 85.5 | 86.5 | 87.1 | 79.1 | 91.2 | 92.2 | 92.7 | 91.2 | 90.7 | 89.5 | | | | | | 148.9 |
| (.00891 KG/M3) | 3150 | 76.6 | 80.1 | 80.8 | 82.5 | 83.5 | 84.0 | 85.6 | 77.4 | 88.9 | 90.2 | 90.6 | 88.8 | 88.9 | 87.6 | | | | | | 147.3 |
| FREQ. SHIFT | 4000 | 73.2 | 76.7 | 78.0 | 79.5 | 80.1 | 81.9 | 82.9 | 75.4 | 85.5 | 87.2 | 88.9 | 86.0 | 86.3 | 84.7 | | | | | | 145.4 |
| JET 9 | 5000 | 72.6 | 75.1 | 75.6 | 78.1 | 78.4 | 78.5 | 79.9 | 72.1 | 83.5 | 84.0 | 86.2 | 83.1 | 83.3 | 83.6 | | | | | | 143.2 |
| DIAMETER RATIO | 6300 | 71.8 | 74.5 | 74.0 | 76.1 | 74.7 | 76.3 | 77.1 | 69.2 | 79.8 | 81.2 | 85.4 | 82.6 | 83.0 | 83.8 | | | | | | 142.8 |
| DF/DH 8.00 | 8000 | 73.3 | 74.8 | 73.6 | 76.4 | 75.2 | 75.9 | 75.6 | 68.7 | 78.2 | 78.3 | 85.6 | 83.8 | 83.5 | 86.1 | | | | | | 144.8 |
| | 10000 | 74.7 | 75.5 | 74.3 | 77.3 | 76.6 | 77.7 | 77.1 | 69.7 | 77.1 | 77.8 | 87.4 | 86.7 | 85.9 | 88.1 | | | | | | 149.1 |
| OVERALL CALCULATED | | 97.3 | 98.9 | 99.4 | 100.0 | 101.2 | 101.9 | 103.2 | 95.1 | 106.7 | 109.0 | 110.6 | 111.3 | 110.4 | 109.3 | | | | | | 155.6 |
| PWDB | | 105.6 | 108.1 | 108.8 | 109.8 | 111.0 | 111.8 | 112.8 | 104.8 | 116.4 | 118.0 | 119.3 | 118.6 | 117.7 | 116.8 | | | | | | 166.9 |

10941

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|--|--|
| | | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| REV. ALPHA 12/73 | FREQ. | | 50 | 58.3 | 58.9 | 62.3 | 64.5 | 66.4 | 66.7 | 68.9 | 61.0 | 72.6 | 74.4 | 73.7 | 78.2 | 78.6 | 74.6 | | | | | | |
| | | | 63 | 60.4 | 62.7 | 65.2 | 65.8 | 67.5 | 69.0 | 70.5 | 62.1 | 73.2 | 75.0 | 76.9 | 81.0 | 79.1 | 73.1 | | | | | | |
| SIDELINE 2400, FT. | | | 80 | 61.0 | 64.0 | 66.3 | 66.2 | 68.2 | 68.9 | 71.1 | 63.0 | 74.4 | 75.2 | 78.1 | 80.1 | 78.1 | 72.7 | | | | | | |
| (731.52 M) | | | 100 | 60.3 | 63.6 | 66.2 | 68.2 | 69.6 | 69.8 | 71.6 | 64.4 | 74.7 | 77.7 | 79.0 | 78.4 | 74.8 | 72.7 | | | | | | |
| NFA | 0. RPM | | 125 | 62.2 | 63.9 | 67.7 | 68.2 | 69.8 | 70.9 | 73.3 | 64.3 | 75.7 | 78.2 | 78.9 | 78.2 | 73.0 | 67.4 | | | | | | |
| (| 0. RAD/SEC) | | 160 | 61.5 | 64.8 | 67.2 | 68.8 | 70.2 | 71.6 | 73.7 | 64.3 | 75.6 | 77.8 | 80.2 | 77.9 | 71.6 | 65.4 | | | | | | |
| NFK | 0. RPM | | 200 | 60.5 | 65.0 | 66.6 | 68.3 | 70.9 | 72.1 | 73.7 | 65.6 | 75.7 | 77.8 | 78.5 | 76.2 | 71.1 | 64.0 | | | | | | |
| (| 0. RAD/SEC) | | 250 | 62.0 | 64.8 | 66.0 | 69.9 | 71.2 | 72.6 | 73.1 | 64.8 | 76.0 | 77.6 | 78.7 | 76.5 | 71.1 | 63.4 | | | | | | |
| NFD | 0. RPM | | 315 | 60.4 | 64.8 | 66.8 | 67.5 | 69.9 | 71.7 | 72.9 | 64.7 | 76.4 | 77.4 | 77.3 | 75.4 | 69.5 | 63.0 | | | | | | |
| (| 0. RAD/SEC) | | 400 | 59.7 | 64.6 | 66.6 | 68.0 | 70.2 | 71.2 | 72.6 | 64.3 | 75.5 | 77.7 | 77.0 | 74.5 | 68.9 | 62.4 | | | | | | |
| AIRFLOW RATIO | | | 500 | 57.8 | 63.7 | 65.7 | 67.4 | 69.3 | 71.2 | 72.7 | 63.9 | 75.7 | 76.7 | 76.4 | 73.1 | 67.9 | 61.2 | | | | | | |
| WF/WH 8.00 | | | 630 | 56.8 | 62.5 | 64.6 | 66.5 | 68.6 | 70.2 | 72.0 | 64.3 | 75.4 | 76.4 | 75.5 | 73.1 | 67.3 | 60.5 | | | | | | |
| | | | 800 | 55.3 | 61.6 | 64.7 | 66.8 | 69.1 | 69.9 | 71.1 | 63.4 | 74.7 | 75.7 | 74.6 | 72.0 | 66.7 | 60.3 | | | | | | |
| VEHICLE | JENOTS | | 1000 | 54.0 | 60.3 | 63.2 | 65.8 | 68.1 | 69.5 | 70.6 | 62.6 | 73.1 | 74.4 | 73.1 | 70.3 | 65.4 | 59.1 | | | | | | |
| CONFIG | JE-053 | | 1250 | 52.2 | 58.6 | 61.5 | 64.5 | 67.3 | 68.4 | 68.7 | 61.3 | 72.5 | 72.7 | 71.9 | 67.9 | 63.7 | 56.4 | | | | | | |
| LOC | EVENDALE | | 1600 | 48.1 | 56.1 | 59.4 | 62.3 | 65.7 | 66.6 | 68.2 | 59.3 | 70.0 | 70.9 | 69.6 | 65.4 | 60.1 | 51.4 | | | | | | |
| DATE 04-04-75 | | | 2000 | 43.2 | 52.1 | 56.2 | 59.2 | 62.5 | 64.3 | 65.4 | 57.4 | 67.9 | 67.9 | 66.2 | 61.9 | 55.9 | 45.0 | | | | | | |
| RUN DBTF- R 436 | | | 2500 | 37.2 | 46.6 | 52.0 | 55.5 | 58.6 | 60.4 | 61.3 | 53.1 | 64.3 | 63.8 | 61.7 | 56.3 | 49.4 | 36.1 | | | | | | |
| TAPE | X80270 | | 3150 | 28.6 | 40.1 | 45.6 | 50.3 | 53.2 | 54.7 | 56.7 | 48.1 | 58.6 | 58.0 | 55.4 | 48.8 | 40.8 | 24.1 | | | | | | |
| FAN TIP SPEED | | | 4000 | 15.0 | 29.0 | 36.5 | 41.8 | 44.8 | 47.9 | 49.4 | 41.4 | 50.2 | 49.5 | 47.3 | 38.3 | 28.1 | 6.1 | | | | | | |
| | | | 5000 | 8.6 | 22.9 | 30.3 | 37.2 | 40.2 | 41.7 | 43.6 | 35.3 | 45.2 | 43.1 | 41.0 | 30.9 | 19.3 | | | | | | | |
| | FT/SEC | | 6300 | | 9.2 | 18.0 | 25.8 | 27.9 | 31.4 | 32.8 | 24.4 | 33.0 | 30.8 | 29.4 | 17.3 | 1.8 | | | | | | | |
| | | | 8000 | | | 1.0 | 11.6 | 13.2 | 18.6 | 19.1 | 11.4 | 18.2 | 13.6 | 13.0 | | | | | | | | | |
| | | | 10000 | | | | | 2.9 | 3.5 | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | 71.4 | 75.2 | 77.6 | 79.2 | 81.3 | 82.5 | 84.0 | 75.7 | 86.9 | 88.5 | 89.0 | 88.6 | 85.4 | 80.4 | | | | | | |
| | | | | 73.8 | 79.3 | 82.0 | 84.2 | 87.0 | 88.2 | 89.7 | 81.1 | 92.3 | 93.6 | 93.2 | 90.8 | 85.5 | 78.9 | | | | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|--------------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 86.4 | 84.7 | 85.6 | 86.9 | 88.4 | 89.2 | 91.1 | 82.8 | 95.3 | 98.6 | 100.3 | 106.5 | 108.7 | 107.9 | | | 159.1 | |
| | | 63 | 89.8 | 88.8 | 90.1 | 89.0 | 90.0 | 91.4 | 92.5 | 84.2 | 96.2 | 98.7 | 101.0 | 107.6 | 108.1 | 105.6 | | | 159.1 | |
| NO EGA | | 80 | 90.1 | 90.7 | 90.7 | 90.0 | 91.2 | 91.5 | 93.9 | 85.9 | 97.9 | 100.7 | 104.7 | 108.3 | 108.4 | 106.8 | | | 160.3 | |
| RDG. NO. 0. | | 100 | 89.7 | 90.7 | 91.4 | 91.5 | 92.5 | 92.8 | 93.9 | 87.4 | 99.0 | 102.5 | 105.0 | 106.0 | 104.5 | 107.7 | | | 159.5 | |
| RADIAL 320. FT. | | 125 | 91.8 | 90.6 | 92.5 | 91.9 | 93.5 | 94.4 | 95.9 | 87.9 | 100.2 | 104.4 | 106.2 | 106.7 | 104.4 | 103.7 | | | 160.0 | |
| (98. M) | | 160 | 91.5 | 91.7 | 92.6 | 92.6 | 93.8 | 95.0 | 97.2 | 88.5 | 100.5 | 104.7 | 107.4 | 106.5 | 104.5 | 102.5 | | | 160.3 | |
| VEHICLE JENOTS | | 200 | 91.9 | 93.5 | 93.0 | 93.3 | 95.1 | 96.0 | 98.1 | 89.3 | 101.6 | 105.3 | 106.4 | 106.3 | 104.2 | 102.5 | | | 160.4 | |
| CCNFIG JE-053 | | 250 | 93.7 | 92.7 | 92.6 | 95.0 | 96.1 | 96.7 | 97.4 | 89.7 | 101.8 | 106.2 | 107.0 | 106.9 | 105.2 | 104.4 | | | 161.1 | |
| LOC EYE DALE | | 315 | 93.4 | 94.2 | 94.1 | 93.4 | 95.2 | 96.3 | 97.8 | 90.6 | 103.4 | 106.7 | 106.9 | 107.6 | 106.6 | 105.6 | | | 161.7 | |
| DATE 04-04-75 | | 400 | 94.3 | 94.9 | 95.0 | 95.2 | 95.3 | 97.3 | 98.0 | 90.6 | 102.5 | 106.6 | 106.9 | 107.9 | 108.6 | 107.1 | | | 162.2 | |
| RUN DBTF- R-436 | | 500 | 93.5 | 95.5 | 94.6 | 94.9 | 96.2 | 96.9 | 98.2 | 91.0 | 103.7 | 106.2 | 106.9 | 108.7 | 109.9 | 108.9 | | | 162.8 | |
| TAPE X80280 | | 630 | 103.6 | 106.9 | 101.0 | 101.0 | 99.2 | 101.2 | 100.2 | 93.7 | 105.7 | 107.4 | 109.9 | 116.3 | 116.7 | 116.0 | | | 168.6 | |
| BAR 29.9 HG | | 800 | 101.8 | 103.2 | 100.4 | 98.7 | 98.2 | 98.6 | 99.0 | 91.5 | 104.4 | 106.5 | 107.5 | 111.0 | 110.9 | 109.9 | | | 164.5 | |
| (01039. N/M2) | | 1000 | 100.9 | 103.4 | 103.7 | 102.9 | 101.2 | 99.0 | 98.6 | 91.1 | 103.7 | 106.2 | 106.8 | 108.4 | 109.0 | 107.8 | | | 163.7 | |
| TAMB 59. DEG F | | 1250 | 99.5 | 101.2 | 102.5 | 104.8 | 105.7 | 103.7 | 99.5 | 91.6 | 103.4 | 105.2 | 106.7 | 108.8 | 111.5 | 110.6 | | | 164.9 | |
| (288. DEG K) | | 1600 | 97.3 | 99.1 | 99.0 | 100.7 | 103.3 | 103.3 | 101.4 | 91.2 | 102.7 | 104.5 | 105.7 | 107.4 | 108.6 | 107.5 | | | 163.3 | |
| TWET 53. DEG F | | 2000 | 95.5 | 97.6 | 98.6 | 98.1 | 100.3 | 100.6 | 101.4 | 91.2 | 102.0 | 103.1 | 104.3 | 106.3 | 107.8 | 107.2 | | | 162.3 | |
| (285. DEG K) | | 2500 | 93.2 | 95.3 | 96.0 | 97.8 | 99.0 | 98.0 | 98.3 | 89.6 | 101.0 | 101.2 | 102.2 | 104.7 | 106.2 | 104.0 | | | 160.7 | |
| HACT 8.91 GM/M3 | | 3150 | 90.6 | 93.6 | 94.3 | 95.5 | 96.7 | 96.7 | 96.4 | 87.9 | 99.4 | 99.7 | 100.4 | 101.8 | 103.6 | 102.1 | | | 159.1 | |
| (00891 KG/M3) | | 4000 | 87.2 | 90.2 | 90.8 | 92.5 | 92.8 | 93.9 | 94.2 | 85.4 | 96.0 | 97.5 | 98.9 | 99.7 | 101.8 | 98.9 | | | 157.4 | |
| FREQ. SHIFT | | 5000 | 85.4 | 87.8 | 88.8 | 90.4 | 90.7 | 90.7 | 90.9 | 82.6 | 93.7 | 94.8 | 96.5 | 96.4 | 99.3 | 97.6 | | | 155.3 | |
| JET 9 | | 6300 | 81.8 | 84.5 | 85.8 | 87.3 | 87.5 | 88.0 | 88.1 | 80.5 | 91.3 | 92.4 | 94.7 | 94.9 | 98.0 | 95.6 | | | 154.4 | |
| DIAMETER RATIO | | 8000 | 79.3 | 82.3 | 83.4 | 84.9 | 84.7 | 84.9 | 84.4 | 79.5 | 89.7 | 91.6 | 92.6 | 93.1 | 97.0 | 94.1 | | | 154.7 | |
| DF/DH 8.00 | | 10000 | 76.9 | 79.3 | 79.6 | 82.1 | 81.8 | 82.4 | 82.0 | 79.9 | 88.1 | 92.3 | 92.2 | 92.9 | 96.2 | 93.4 | | | 156.5 | |
| OVERALL CALCULATED | | | 109.6 | 111.7 | 110.4 | 110.9 | 111.5 | 111.3 | 111.0 | 102.9 | 114.9 | 117.6 | 118.9 | 121.6 | 122.1 | 121.1 | | | 175.6 | |
| RNDB | | | 118.5 | 120.8 | 120.5 | 121.4 | 122.4 | 122.5 | 122.6 | 114.0 | 125.5 | 127.1 | 128.3 | 130.9 | 131.7 | 130.5 | | | 1.3 | |

176.9

1095

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAT)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | | |
|--------------------|---------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 62.6 | 63.1 | 65.5 | 68.0 | 70.2 | 71.4 | 73.4 | 65.0 | 77.1 | 79.6 | 80.2 | 84.9 | 84.9 | 80.6 | | | | | | |
| | NO EGA | 63 | 65.9 | 67.2 | 70.0 | 70.0 | 71.7 | 73.5 | 74.8 | 66.4 | 77.9 | 79.7 | 80.9 | 86.0 | 84.1 | 78.1 | | | | | | |
| SIDELINE 2400' FT | | 80 | 66.0 | 69.0 | 70.6 | 70.9 | 72.9 | 73.6 | 76.1 | 68.0 | 79.6 | 81.7 | 84.6 | 86.6 | 84.4 | 79.2 | | | | | | |
| | (731.52 M) | 100 | 65.5 | 68.8 | 71.2 | 72.4 | 74.1 | 74.8 | 76.1 | 69.4 | 80.7 | 83.4 | 84.7 | 84.2 | 80.3 | 79.9 | | | | | | |
| NFA | 0: RPM | 125 | 67.5 | 68.7 | 72.2 | 72.7 | 75.1 | 76.4 | 78.0 | 69.8 | 81.7 | 85.2 | 85.9 | 84.7 | 80.0 | 75.7 | | | | | | |
| | (0: RAD/SEC) | 160 | 67.0 | 69.6 | 72.2 | 73.3 | 75.2 | 76.8 | 79.2 | 70.3 | 81.9 | 85.3 | 86.9 | 84.4 | 79.9 | 74.1 | | | | | | |
| NFK | 0: RPM | 200 | 67.0 | 71.2 | 72.3 | 73.8 | 76.4 | 77.8 | 80.0 | 71.1 | 83.0 | 85.8 | 85.8 | 83.9 | 79.4 | 73.8 | | | | | | |
| | (0: RAD/SEC) | 250 | 68.5 | 70.1 | 71.8 | 75.4 | 77.2 | 78.3 | 79.1 | 71.3 | 83.0 | 86.6 | 86.2 | 84.3 | 80.1 | 75.1 | | | | | | |
| NFD | 0: RPM | 315 | 67.9 | 71.3 | 73.1 | 73.5 | 76.2 | 77.7 | 79.4 | 72.0 | 84.4 | 86.9 | 85.8 | 84.7 | 81.0 | 75.8 | | | | | | |
| | (0: RAD/SEC) | 400 | 68.2 | 71.6 | 73.6 | 75.0 | 76.0 | 78.5 | 79.3 | 71.8 | 83.2 | 86.4 | 85.5 | 84.5 | 82.4 | 76.4 | | | | | | |
| AIRFLOW RATIO | | 500 | 66.8 | 71.7 | 72.7 | 74.4 | 76.6 | 77.7 | 79.2 | 71.9 | 84.0 | 85.7 | 85.1 | 84.8 | 83.1 | 77.2 | | | | | | |
| WF/HM | 8.00 | 630 | 76.0 | 82.5 | 78.6 | 80.0 | 79.1 | 81.7 | 80.8 | 74.1 | 85.6 | 86.4 | 87.5 | 91.8 | 89.0 | 83.0 | | | | | | |
| | | 800 | 73.1 | 77.8 | 77.2 | 77.1 | 77.6 | 78.4 | 79.1 | 71.4 | 83.7 | 84.9 | 84.4 | 85.7 | 82.2 | 75.3 | | | | | | |
| VEHICLE | JENOTS | 1000 | 70.8 | 77.1 | 79.7 | 80.6 | 79.8 | 78.2 | 78.1 | 70.3 | 82.3 | 83.9 | 82.9 | 82.0 | 78.9 | 71.2 | | | | | | |
| CCNFIG | JE-053 | 1250 | 67.7 | 73.6 | 77.3 | 81.5 | 83.6 | 82.1 | 78.2 | 70.0 | 81.2 | 81.9 | 81.7 | 81.1 | 79.7 | 71.4 | | | | | | |
| LCC | EVENDALE | 1600 | 63.1 | 69.6 | 72.4 | 76.1 | 80.0 | 80.6 | 78.9 | 68.5 | 79.3 | 79.9 | 79.1 | 77.9 | 74.3 | 64.6 | | | | | | |
| DATE | 04-04-75 | 2000 | 58.4 | 65.9 | 70.2 | 71.9 | 75.5 | 76.3 | 77.6 | 67.1 | 77.1 | 76.9 | 75.9 | 74.6 | 70.7 | 60.0 | | | | | | |
| RUN | DBTF- R 436 | 2500 | 51.9 | 60.4 | 65.0 | 69.3 | 72.1 | 71.9 | 72.6 | 63.6 | 74.1 | 72.8 | 71.2 | 69.8 | 64.9 | 50.6 | | | | | | |
| TAPE | X80280 | 3150 | 42.6 | 53.6 | 59.1 | 63.3 | 66.4 | 67.5 | 67.5 | 58.6 | 69.1 | 67.5 | 65.2 | 61.8 | 55.6 | 38.6 | | | | | | |
| FAN TIP SPEED | | 4000 | 29.0 | 42.5 | 49.2 | 54.8 | 57.5 | 59.9 | 60.6 | 51.4 | 60.7 | 59.8 | 57.3 | 52.0 | 43.6 | 20.4 | | | | | | |
| | FT/SEC | 5000 | 21.4 | 35.6 | 43.6 | 49.5 | 52.5 | 54.0 | 54.6 | 45.8 | 55.5 | 53.9 | 51.2 | 44.2 | 35.3 | 10.5 | | | | | | |
| | | 6300 | 0.6 | 19.2 | 29.7 | 37.0 | 40.7 | 43.1 | 43.8 | 35.6 | 44.5 | 42.1 | 38.6 | 29.6 | 16.8 | | | | | | | |
| | | 8000 | | | 10.8 | 20.1 | 24.7 | 27.6 | 27.9 | 22.1 | 29.7 | 26.8 | 20.0 | 7.7 | | | | | | | | |
| | | 10000 | | | | 3.5 | 7.7 | 8.4 | 5.2 | 9.8 | 7.5 | | | | | | | | | | | |
| OVERALL CALCULATED | | | 81.3 | 86.3 | 86.7 | 88.4 | 89.9 | 90.5 | 90.8 | 82.8 | 94.5 | 96.7 | 96.9 | 97.5 | 94.8 | 89.4 | | | | | | |
| | PND8 | | 87.2 | 93.1 | 93.4 | 96.2 | 98.3 | 99.1 | 99.8 | 89.8 | 101.2 | 102.4 | 102.5 | 103.7 | 100.6 | 94.0 | | | | | | |

1097

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | | | 0. 0. 0. PHL | | |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|---------|---------|--------------|--|--|
| REV. ALPHA 12/73 | FREQ. | 30. (0.52) | 40. (0.70) | 50. (0.87) | 60. (1.05) | 70. (1.22) | 80. (1.40) | 90. (1.57) | 100. (1.75) | 110. (1.92) | 120. (2.09) | 130. (2.27) | 140. (2.44) | 150. (2.62) | 160. (2.79) | 0. (0.) | 0. (0.) | 0. (0.) | | | |
| NO EGA | 50 | 87.7 | 85.5 | 85.3 | 87.2 | 88.2 | 89.0 | 90.6 | 82.3 | 95.6 | 99.6 | 101.5 | 107.5 | 110.2 | 109.4 | | | | 160.4 | | |
| RDG. NO. 0. | 63 | 92.1 | 90.6 | 89.8 | 88.3 | 89.0 | 90.6 | 92.2 | 84.5 | 96.2 | 98.7 | 103.0 | 110.6 | 112.6 | 108.3 | | | | 162.2 | | |
| RADIAL 320. FT. | 80 | 92.8 | 91.5 | 91.0 | 90.0 | 91.0 | 90.3 | 92.4 | 84.6 | 97.4 | 99.5 | 105.0 | 111.3 | 112.9 | 111.1 | | | | 163.1 | | |
| (98. H) | 100 | 92.7 | 92.2 | 92.6 | 91.5 | 92.3 | 91.8 | 93.9 | 86.4 | 98.3 | 101.8 | 106.2 | 110.0 | 111.2 | 113.5 | | | | 163.1 | | |
| VEHICLE JENOTS | 125 | 93.6 | 91.4 | 92.3 | 91.9 | 91.8 | 93.2 | 95.4 | 86.4 | 98.7 | 102.4 | 106.0 | 108.9 | 109.9 | 109.7 | | | | 161.7 | | |
| CONFIG JE-053 | 160 | 92.3 | 91.0 | 91.4 | 91.6 | 92.8 | 93.5 | 95.2 | 86.5 | 98.5 | 102.4 | 106.9 | 108.3 | 108.2 | 107.7 | | | | 161.0 | | |
| LOC EVENDALE | 200 | 91.4 | 91.3 | 91.0 | 91.3 | 92.9 | 94.0 | 95.3 | 86.8 | 98.6 | 101.6 | 105.4 | 106.8 | 105.7 | 104.8 | | | | 159.5 | | |
| DATE 04-04-75 | 250 | 91.9 | 90.7 | 90.1 | 91.7 | 92.8 | 94.2 | 94.4 | 86.2 | 98.6 | 101.2 | 104.0 | 104.6 | 104.2 | 103.1 | | | | 158.3 | | |
| RUN DBTF- R.436 | 315 | 90.4 | 90.9 | 90.9 | 90.4 | 91.5 | 92.3 | 94.1 | 86.1 | 97.9 | 100.7 | 102.6 | 102.8 | 100.8 | 99.9 | | | | 156.7 | | |
| TAPE X80290 | 400 | 89.0 | 90.1 | 90.5 | 90.9 | 91.6 | 92.1 | 93.5 | 85.4 | 97.0 | 100.1 | 101.7 | 100.6 | 99.3 | 98.9 | | | | 155.7 | | |
| BAR 29.9 HG | 500 | 87.5 | 89.5 | 89.6 | 89.9 | 91.0 | 91.9 | 93.7 | 84.3 | 97.2 | 99.5 | 99.9 | 99.2 | 97.4 | 96.1 | | | | 154.7 | | |
| (01039, N/42) | 630 | 86.6 | 88.7 | 88.8 | 89.7 | 90.2 | 91.0 | 92.9 | 84.9 | 97.0 | 98.9 | 99.1 | 97.8 | 95.9 | 94.2 | | | | 153.9 | | |
| TAMB 59. DEG F | 800 | 86.1 | 88.2 | 88.9 | 89.5 | 90.7 | 91.6 | 92.0 | 84.5 | 96.4 | 98.0 | 98.5 | 97.0 | 95.2 | 92.9 | | | | 153.4 | | |
| (288. DEG K) | 1000 | 85.6 | 87.7 | 88.2 | 88.7 | 90.7 | 90.7 | 91.6 | 83.6 | 95.7 | 97.0 | 97.1 | 95.6 | 94.5 | 93.3 | | | | 152.6 | | |
| TWET 53. DEG F | 1250 | 84.8 | 87.7 | 87.7 | 88.8 | 90.2 | 89.9 | 91.0 | 83.3 | 95.4 | 96.2 | 96.4 | 94.5 | 93.5 | 92.3 | | | | 152.1 | | |
| (285. DEG K) | 1600 | 83.6 | 86.4 | 86.7 | 87.9 | 89.3 | 89.6 | 90.6 | 82.5 | 93.9 | 95.3 | 95.4 | 93.1 | 92.3 | 91.2 | | | | 151.2 | | |
| HACT 8.91 GH/M3 | 2000 | 81.5 | 84.8 | 85.3 | 86.4 | 88.3 | 88.3 | 89.7 | 81.2 | 92.7 | 94.4 | 93.8 | 91.6 | 90.3 | 88.9 | | | | 150.1 | | |
| (.00891 KG/M3) | 2500 | 79.7 | 83.0 | 83.7 | 84.8 | 85.8 | 87.0 | 87.6 | 79.6 | 91.2 | 92.0 | 91.9 | 89.4 | 88.7 | 87.0 | | | | 148.5 | | |
| FREQ. SHIFT | 3150 | 78.4 | 83.6 | 83.6 | 84.5 | 84.7 | 85.5 | 86.1 | 77.9 | 89.1 | 89.4 | 89.6 | 88.0 | 87.1 | 85.6 | | | | 147.2 | | |
| JET 9 | 4000 | 77.4 | 86.0 | 84.8 | 84.2 | 84.8 | 86.9 | 87.7 | 78.9 | 87.5 | 87.2 | 88.1 | 85.5 | 84.5 | 83.7 | | | | 147.4 | | |
| DIAMETER RATIO | 5000 | 78.4 | 89.3 | 88.3 | 87.6 | 87.4 | 88.7 | 89.2 | 81.1 | 90.5 | 85.8 | 86.5 | 83.4 | 83.3 | 83.8 | | | | 149.3 | | |
| DF/DH 8.00 | 6300 | 73.1 | 79.0 | 79.0 | 79.6 | 79.2 | 80.0 | 79.8 | 73.0 | 82.8 | 82.9 | 85.7 | 83.9 | 82.5 | 84.6 | | | | 144.5 | | |
| OVERALL CALCULATED | 8000 | 73.6 | 76.5 | 76.4 | 77.9 | 77.7 | 78.2 | 77.9 | 70.2 | 79.2 | 82.6 | 85.9 | 85.6 | 84.0 | 87.1 | | | | 146.2 | | |
| PNDP | 10000 | 74.7 | 77.5 | 76.3 | 78.6 | 77.8 | 78.7 | 78.5 | 71.2 | 78.3 | 83.6 | 87.7 | 87.9 | 87.2 | 88.6 | | | | 150.3 | | |
| | | 102.5 | 102.6 | 102.6 | 102.7 | 103.7 | 104.4 | 105.8 | 97.6 | 109.6 | 112.2 | 115.2 | 118.4 | 119.5 | 118.7 | | | | 171.4 | | |
| | | 108.7 | 113.0 | 112.7 | 112.8 | 113.3 | 114.2 | 115.1 | 106.9 | 118.0 | 119.6 | 120.9 | 121.5 | 121.3 | 121.4 | | | | 172.7 | | |

1098

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| REV. ALPHA 12/73 | FREQ. | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 63.8 | 63.9 | 65.3 | 68.2 | 69.9 | 71.2 | 72.9 | 64.5 | 77.3 | 80.6 | 81.5 | 85.9 | 86.4 | 82.1 | | | | | | | |
| NO EGA | 63 | 68.1 | 68.9 | 69.7 | 69.3 | 70.7 | 72.8 | 74.5 | 66.6 | 77.9 | 79.7 | 82.9 | 89.0 | 88.6 | 80.9 | | | | | | | |
| SIDELINE 2400. FT | 80 | 68.8 | 69.7 | 70.8 | 70.9 | 72.7 | 72.4 | 74.6 | 66.7 | 79.1 | 80.4 | 84.8 | 89.6 | 88.9 | 83.5 | | | | | | | |
| (731.52 M) | 100 | 68.5 | 70.3 | 72.4 | 72.4 | 73.9 | 73.8 | 76.1 | 68.4 | 79.9 | 82.7 | 86.0 | 88.2 | 87.0 | 85.7 | | | | | | | |
| NFA | 0. RPM | 125 | 69.2 | 69.4 | 72.0 | 72.7 | 73.3 | 75.2 | 77.5 | 68.3 | 80.2 | 83.2 | 85.7 | 87.0 | 85.5 | 81.7 | | | | | | |
| (| 0. RAD/SEC | 160 | 67.7 | 68.8 | 70.9 | 72.3 | 74.2 | 75.5 | 77.2 | 68.3 | 79.9 | 83.1 | 86.4 | 86.1 | 83.6 | 79.4 | | | | | | |
| NFK | 0. RPM | 200 | 66.5 | 69.0 | 70.3 | 71.8 | 74.2 | 75.8 | 77.2 | 68.6 | 80.0 | 82.1 | 84.8 | 84.4 | 80.9 | 76.0 | | | | | | |
| (| 0. RAD/SEC | 250 | 66.8 | 68.1 | 69.3 | 72.1 | 74.0 | 75.8 | 76.1 | 67.8 | 79.7 | 81.6 | 83.2 | 82.0 | 79.1 | 73.9 | | | | | | |
| NFD | 0. RPM | 315 | 64.9 | 68.1 | 69.8 | 70.5 | 72.4 | 73.7 | 75.6 | 67.5 | 78.9 | 80.9 | 81.6 | 79.9 | 75.2 | 70.0 | | | | | | |
| (| 0. RAD/SEC | 400 | 62.9 | 66.8 | 69.1 | 70.8 | 72.2 | 73.2 | 74.8 | 66.5 | 77.7 | 79.9 | 80.2 | 77.3 | 73.2 | 68.2 | | | | | | |
| AIRFLOW RATIO | 500 | 60.8 | 65.7 | 67.7 | 69.4 | 71.3 | 72.7 | 74.7 | 65.1 | 77.5 | 79.0 | 78.1 | 75.3 | 70.6 | 64.4 | | | | | | | |
| WF/WH 8.00 | 630 | 59.0 | 64.2 | 66.4 | 68.7 | 70.1 | 71.4 | 73.5 | 65.3 | 76.9 | 77.9 | 76.7 | 73.3 | 68.3 | 61.3 | | | | | | | |
| | 800 | 57.3 | 62.8 | 65.7 | 67.8 | 70.1 | 71.4 | 72.1 | 64.4 | 75.7 | 76.4 | 75.4 | 71.7 | 66.4 | 58.3 | | | | | | | |
| VEHICLE | JENOTS | 1000 | 55.5 | 61.3 | 64.2 | 66.3 | 69.3 | 70.0 | 71.1 | 62.8 | 74.3 | 74.7 | 73.1 | 69.3 | 64.4 | 56.6 | | | | | | |
| CONFIG | JE-053 | 1250 | 53.0 | 60.1 | 62.7 | 65.5 | 68.1 | 68.4 | 69.7 | 61.8 | 73.2 | 72.9 | 71.4 | 66.9 | 61.7 | 53.1 | | | | | | |
| LOC | EVENDALE | 1600 | 49.4 | 56.9 | 60.2 | 63.3 | 66.0 | 66.9 | 68.2 | 59.8 | 70.5 | 70.7 | 68.9 | 63.6 | 58.1 | 48.4 | | | | | | |
| DATE | 04-04-75 | 2000 | 44.4 | 53.1 | 57.0 | 60.2 | 63.5 | 64.3 | 65.9 | 57.1 | 67.9 | 68.2 | 65.4 | 59.9 | 53.2 | 41.8 | | | | | | |
| RUN | DBTF- R 435 | 2500 | 38.4 | 48.1 | 52.7 | 56.3 | 58.9 | 60.9 | 61.8 | 53.6 | 64.3 | 63.5 | 60.9 | 54.5 | 47.4 | 33.6 | | | | | | |
| TAPE | X80290 | 3150 | 30.3 | 43.6 | 48.4 | 52.3 | 54.4 | 56.2 | 57.2 | 48.6 | 58.8 | 57.3 | 54.4 | 48.0 | 39.1 | 22.1 | | | | | | |
| FAN TIP SPEED | 4000 | 19.3 | 38.3 | 43.2 | 46.6 | 49.5 | 52.9 | 54.1 | 44.9 | 52.2 | 49.5 | 46.6 | 37.8 | 26.4 | 5.1 | | | | | | | |
| | FT/SEC | 5000 | 14.4 | 37.1 | 43.1 | 46.7 | 49.2 | 52.0 | 52.9 | 44.3 | 52.2 | 44.9 | 41.2 | 31.2 | 19.3 | | | | | | | |
| | 6300 | | 13.7 | 23.0 | 29.3 | 32.4 | 35.1 | 35.5 | 28.1 | 36.0 | 32.6 | 29.6 | 18.6 | 1.3 | | | | | | | | |
| | 8000 | | | 3.8 | 13.1 | 17.7 | 20.8 | 21.4 | 12.9 | 19.2 | 17.8 | 13.3 | 0.2 | | | | | | | | | |
| | 10000 | | | | | | 3.9 | 4.9 | | 0.1 | | | | | | | | | | | | |
| OVERALL CALCULATED | | 77.4 | 79.2 | 81.1 | 82.3 | 84.1 | 85.2 | 86.9 | 78.5 | 90.2 | 92.3 | 94.5 | 96.4 | 95.2 | 90.8 | | | | | | | |
| | PND8 | 78.4 | 82.3 | 84.9 | 86.9 | 88.9 | 90.3 | 91.7 | 83.0 | 94.6 | 96.0 | 96.9 | 96.1 | 93.5 | 89.3 | | | | | | | |

1099

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

PROC. DATE - MONTH 5 DAY 2 HR. 17.1
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT RFL, RU1, DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PdL |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| | | 50 | 90.9 | 88.5 | 89.3 | 91.2 | 91.7 | 92.5 | 94.6 | 96.8 | 99.1 | 103.3 | 105.5 | 111.5 | 114.0 | 112.6 | | | | 164.1 |
| | NO EGA | 63 | 95.1 | 93.8 | 93.3 | 92.8 | 93.2 | 94.4 | 96.2 | 98.3 | 99.9 | 102.7 | 106.0 | 113.6 | 115.3 | 112.3 | | | | 165.3 |
| | RDG. NO. 0. | 80 | 96.1 | 96.0 | 94.7 | 93.7 | 95.2 | 94.8 | 97.1 | 98.9 | 101.4 | 104.0 | 109.7 | 115.1 | 116.9 | 115.3 | | | | 167.2 |
| | RADIAL 320. FT. | 100 | 96.2 | 95.4 | 95.9 | 95.8 | 96.8 | 96.5 | 97.9 | 101.1 | 102.5 | 106.3 | 110.0 | 112.5 | 114.5 | 117.0 | | | | 166.5 |
| | (98. M) | 125 | 98.1 | 95.6 | 96.0 | 95.7 | 96.8 | 97.7 | 99.2 | 100.9 | 103.7 | 107.9 | 110.0 | 112.7 | 114.1 | 113.9 | | | | 166.0 |
| | VEHICLE JENOTS | 160 | 97.0 | 96.2 | 96.4 | 96.6 | 97.7 | 98.2 | 99.9 | 101.5 | 103.7 | 107.2 | 110.9 | 112.0 | 113.2 | 113.0 | | | | 165.7 |
| | CCNFIG JE-053 | 200 | 96.8 | 96.8 | 96.0 | 96.8 | 97.9 | 98.8 | 100.3 | 102.0 | 104.4 | 107.3 | 109.9 | 110.8 | 111.9 | 112.3 | | | | 165.0 |
| | LCC EVENDALE | 250 | 97.9 | 96.7 | 95.6 | 98.0 | 98.5 | 99.4 | 99.9 | 101.7 | 104.3 | 107.5 | 109.2 | 110.3 | 112.9 | 112.4 | | | | 165.1 |
| | DATE 04-04-75 | 315 | 97.9 | 97.4 | 97.1 | 96.3 | 97.7 | 98.8 | 100.1 | 102.0 | 105.2 | 108.0 | 108.4 | 110.1 | 112.8 | 111.1 | | | | 164.9 |
| | RUN DSTF- R=436 | 400 | 97.3 | 97.9 | 97.5 | 97.2 | 98.3 | 99.0 | 99.5 | 102.3 | 104.8 | 107.8 | 108.6 | 111.3 | 113.0 | 111.1 | | | | 165.2 |
| | TYPE X80300 | 500 | 97.2 | 97.3 | 96.3 | 97.1 | 97.7 | 98.6 | 100.2 | 102.5 | 104.9 | 107.2 | 108.4 | 111.1 | 111.6 | 109.3 | | | | 164.6 |
| | BAR 29.9 HG | 630 | 97.3 | 98.1 | 97.0 | 96.9 | 97.9 | 98.7 | 99.9 | 102.9 | 105.7 | 108.1 | 109.1 | 112.2 | 110.9 | 107.7 | | | | 165.0 |
| | (01039. N/M2) | 800 | 96.8 | 97.6 | 97.8 | 98.9 | 99.4 | 99.8 | 99.9 | 102.9 | 105.8 | 107.2 | 109.4 | 112.5 | 110.6 | 106.1 | | | | 165.1 |
| | TAMB 59. DEG F | 1000 | 95.3 | 96.1 | 96.4 | 97.8 | 99.6 | 99.7 | 100.4 | 102.8 | 104.8 | 107.0 | 109.0 | 110.3 | 109.7 | 106.7 | | | | 164.3 |
| | (288. DEG K) | 1250 | 94.9 | 95.8 | 95.7 | 97.2 | 99.2 | 99.3 | 100.4 | 102.5 | 104.8 | 106.4 | 108.6 | 108.7 | 108.4 | 105.2 | | | | 163.6 |
| | THET 53. DEG F | 1600 | 93.5 | 94.8 | 95.4 | 96.9 | 98.0 | 97.7 | 99.8 | 101.9 | 103.8 | 105.4 | 107.6 | 107.5 | 107.5 | 103.6 | | | | 162.8 |
| | (285. DEG K) | 2000 | 91.8 | 93.1 | 93.6 | 95.4 | 97.4 | 97.9 | 99.0 | 101.8 | 102.8 | 104.4 | 106.6 | 106.6 | 105.9 | 102.2 | | | | 162.1 |
| | HACT 8.91 GM/H3 | 2500 | 89.5 | 91.3 | 92.0 | 93.8 | 95.3 | 95.8 | 97.1 | 99.2 | 101.0 | 102.5 | 104.7 | 104.7 | 103.7 | 99.5 | | | | 160.4 |
| | (.00891 KG/H3) | 3150 | 87.7 | 89.9 | 90.9 | 92.8 | 93.0 | 94.8 | 95.2 | 98.0 | 99.7 | 100.5 | 102.5 | 101.6 | 102.2 | 98.4 | | | | 158.9 |
| | FREQ. SHIFT | 4000 | 84.8 | 87.6 | 88.4 | 90.1 | 90.7 | 91.2 | 93.8 | 95.2 | 96.9 | 98.1 | 100.0 | 99.6 | 99.9 | 95.1 | | | | 157.5 |
| | JET 9 | 5000 | 82.8 | 86.0 | 87.5 | 88.8 | 89.6 | 90.4 | 91.8 | 93.2 | 94.6 | 95.1 | 98.1 | 96.7 | 97.7 | 93.4 | | | | 155.5 |
| | DIAMETER RATIO | 6300 | 80.2 | 83.6 | 84.6 | 87.2 | 86.3 | 87.9 | 88.9 | 91.1 | 91.9 | 93.5 | 96.5 | 95.2 | 96.1 | 91.7 | | | | 154.7 |
| | DF/DM 8.00 | 8000 | 77.4 | 80.1 | 80.5 | 82.7 | 82.5 | 83.7 | 84.7 | 90.3 | 90.0 | 91.9 | 94.5 | 93.7 | 94.9 | 90.9 | | | | 154.7 |
| | | 10000 | 76.0 | 77.5 | 77.6 | 79.9 | 79.4 | 81.0 | 81.5 | 90.0 | 88.9 | 93.4 | 93.2 | 92.7 | 94.2 | 90.9 | | | | 156.7 |
| | OVERALL CALCULATED | | 108.7 | 108.7 | 108.5 | 109.2 | 110.3 | 110.8 | 112.0 | 114.3 | 116.6 | 119.2 | 121.4 | 124.0 | 125.1 | 124.1 | | | | 177.6 |
| | PNDP | | 116.7 | 117.7 | 118.0 | 119.3 | 120.4 | 121.1 | 122.2 | 124.8 | 126.5 | 128.4 | 130.6 | 131.5 | 131.7 | 129.3 | | | | 178.9 |

0011

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIAN(S))

| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | NO EGA | 50 | 67.1 | 66.9 | 69.3 | 72.2 | 73.4 | 74.7 | 76.9 | 79.0 | 80.8 | 84.4 | 85.5 | 89.9 | 90.1 | 85.3 | | | |
| | SIDELINE 2400. FT | 63 | 71.1 | 72.2 | 73.2 | 73.8 | 75.0 | 76.5 | 78.5 | 80.6 | 81.7 | 83.7 | 85.9 | 92.0 | 91.4 | 84.9 | | | |
| | (731.52 H) | 80 | 72.0 | 74.2 | 74.6 | 74.7 | 76.9 | 76.9 | 79.4 | 81.0 | 83.1 | 84.9 | 89.6 | 93.3 | 92.9 | 87.7 | | | |
| | NFA 0. RPM | 100 | 72.0 | 73.6 | 75.7 | 76.7 | 78.4 | 78.6 | 80.1 | 83.2 | 84.2 | 87.2 | 89.7 | 90.7 | 90.3 | 89.2 | | | |
| | (0. RAD/SEC) | 125 | 73.7 | 73.7 | 75.7 | 76.5 | 78.3 | 79.7 | 81.3 | 82.8 | 85.2 | 88.7 | 89.7 | 90.7 | 89.8 | 85.9 | | | |
| | NFK 0. RPM | 160 | 72.5 | 74.1 | 75.9 | 77.2 | 79.2 | 80.1 | 82.0 | 83.3 | 85.1 | 87.8 | 90.4 | 89.9 | 88.6 | 84.6 | | | |
| | (0. RAD/SEC) | 200 | 72.0 | 74.4 | 75.3 | 77.3 | 79.2 | 80.5 | 82.2 | 83.8 | 85.7 | 87.8 | 89.3 | 88.4 | 87.1 | 83.5 | | | |
| | NFD 0. RPM | 250 | 72.8 | 74.1 | 74.8 | 78.4 | 79.7 | 81.0 | 81.6 | 83.3 | 85.5 | 87.8 | 88.4 | 87.8 | 87.8 | 83.1 | | | |
| | (0. RAD/SEC) | 315 | 72.4 | 74.5 | 76.0 | 76.5 | 78.7 | 80.2 | 81.6 | 83.4 | 86.1 | 88.1 | 87.3 | 87.2 | 87.2 | 81.3 | | | |
| | AIRFLOW RATIO | 400 | 71.1 | 74.5 | 76.0 | 77.0 | 79.0 | 80.2 | 80.8 | 83.5 | 85.4 | 87.6 | 87.2 | 88.0 | 86.9 | 80.4 | | | |
| | WF/WN 8.00 | 500 | 70.5 | 73.4 | 74.4 | 76.6 | 78.0 | 79.5 | 81.2 | 83.3 | 85.2 | 86.7 | 86.5 | 87.3 | 84.8 | 77.7 | | | |
| | | 630 | 69.7 | 73.7 | 74.6 | 76.0 | 77.8 | 79.1 | 80.5 | 83.3 | 85.6 | 87.1 | 86.7 | 87.8 | 83.2 | 74.7 | | | |
| | | 800 | 68.0 | 72.3 | 74.7 | 77.3 | 78.8 | 79.6 | 80.0 | 82.8 | 85.2 | 85.6 | 86.3 | 87.1 | 81.9 | 71.5 | | | |
| | VEHICLE JENOTS | 1000 | 65.2 | 69.7 | 72.4 | 75.5 | 78.3 | 78.9 | 79.5 | 82.0 | 83.5 | 84.6 | 85.0 | 83.9 | 79.6 | 70.1 | | | |
| | CONFIG JE-053 | 1250 | 63.1 | 68.0 | 70.6 | 73.9 | 77.0 | 77.8 | 78.6 | 80.9 | 82.7 | 83.1 | 83.6 | 81.0 | 76.6 | 66.0 | | | |
| | LOC EVENDALE | 1600 | 59.3 | 65.3 | 68.9 | 72.3 | 74.6 | 75.0 | 77.3 | 79.2 | 80.4 | 80.8 | 81.0 | 78.0 | 73.3 | 60.8 | | | |
| | DATE 04-04-75 | 2000 | 54.7 | 61.4 | 65.3 | 69.3 | 72.6 | 73.8 | 75.2 | 77.8 | 78.0 | 78.2 | 78.2 | 74.9 | 68.8 | 55.1 | | | |
| | RUN DBTF- R=436 | 2500 | 48.2 | 56.4 | 61.0 | 65.3 | 68.4 | 69.7 | 71.4 | 73.1 | 74.1 | 74.0 | 73.7 | 69.8 | 62.4 | 46.1 | | | |
| | TAPE XB0300 | 3150 | 39.7 | 49.9 | 55.7 | 60.6 | 62.8 | 65.6 | 66.3 | 68.7 | 69.4 | 68.3 | 67.3 | 61.6 | 54.2 | 34.9 | | | |
| | FAN TIP SPEED | 4000 | 26.7 | 39.9 | 46.9 | 52.4 | 55.4 | 58.2 | 60.2 | 61.3 | 61.6 | 60.4 | 59.5 | 51.9 | 41.8 | 16.5 | | | |
| | FT/SEC | 5000 | 18.8 | 33.8 | 42.2 | 47.9 | 51.3 | 53.6 | 55.5 | 56.5 | 56.4 | 54.2 | 52.9 | 44.6 | 33.7 | 6.1 | | | |
| | | 6300 | | 18.3 | 28.6 | 36.9 | 39.5 | 43.0 | 44.6 | 46.2 | 45.1 | 43.2 | 40.5 | 29.9 | 14.9 | | | | |
| | | 8000 | | | 7.9 | 17.9 | 22.5 | 26.4 | 28.2 | 32.9 | 30.0 | 27.2 | 21.9 | 8.3 | | | | | |
| | | 10000 | | | | 1.1 | 6.2 | 7.9 | 15.2 | 10.6 | 8.5 | | | | | | | | |
| | OVERALL CALCULATED | | 82.8 | 85.0 | 86.5 | 88.2 | 90.1 | 91.2 | 92.5 | 94.6 | 96.5 | 98.6 | 99.7 | 101.0 | 100.0 | 95.5 | | | |
| | PND8 | | 85.8 | 89.5 | 91.6 | 94.0 | 96.3 | 97.5 | 99.0 | 101.2 | 102.5 | 103.9 | 104.2 | 104.2 | 102.0 | 95.9 | | | |

1011

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-----|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | | 50 | 95.2 | 93.2 | 93.8 | 94.9 | 95.2 | 96.0 | 98.3 | 99.1 | 102.3 | 107.6 | 109.5 | 115.5 | 118.2 | 113.6 | - | - | - | 167.8 | |
| RDG. NO. 0. | | 63 | 99.8 | 98.6 | 98.6 | 97.0 | 96.7 | 98.6 | 100.2 | 101.5 | 104.7 | 108.4 | 112.5 | 120.1 | 121.3 | 118.3 | - | - | - | 171.4 | |
| RADIAL 320. FT. | | 80 | 100.1 | 100.5 | 100.2 | 98.2 | 98.0 | 98.3 | 101.4 | 101.9 | 105.9 | 109.5 | 115.0 | 120.1 | 121.9 | 118.8 | - | - | - | 172.0 | |
| (98. M) | | 100 | 102.0 | 100.7 | 100.9 | 100.5 | 100.0 | 100.0 | 102.4 | 103.6 | 107.0 | 111.8 | 115.7 | 119.3 | 121.7 | 120.7 | - | - | - | 172.3 | |
| VEHICLE JENOTS | | 125 | 104.1 | 100.4 | 101.5 | 100.4 | 99.8 | 101.2 | 104.2 | 104.6 | 107.9 | 113.4 | 115.2 | 117.2 | 120.9 | 118.4 | - | - | - | 171.4 | |
| CONFIG JE-053 | | 160 | 103.8 | 101.5 | 102.1 | 101.8 | 101.3 | 102.2 | 104.4 | 105.2 | 108.7 | 113.7 | 116.1 | 119.3 | 120.5 | 117.7 | - | - | - | 171.9 | |
| LOC EVENDALF | | 200 | 102.6 | 102.5 | 102.0 | 101.8 | 101.4 | 103.3 | 105.6 | 105.8 | 109.9 | 113.6 | 115.4 | 118.8 | 119.7 | 116.0 | - | - | - | 171.4 | |
| DATE 04-04-75 | | 250 | 104.4 | 102.4 | 101.9 | 103.5 | 102.6 | 104.0 | 105.1 | 106.2 | 110.6 | 113.5 | 115.8 | 119.1 | 119.9 | 114.6 | - | - | - | 171.6 | |
| RUN DBTF- R-320 | | 315 | 104.7 | 104.2 | 103.1 | 101.4 | 101.5 | 102.8 | 105.1 | 107.1 | 111.4 | 113.5 | 115.9 | 119.3 | 118.1 | 113.1 | - | - | - | 171.3 | |
| TAPE X80310 | | 400 | 105.0 | 104.4 | 103.8 | 103.4 | 102.8 | 103.3 | 105.3 | 107.1 | 110.8 | 113.6 | 116.7 | 119.3 | 117.3 | 111.6 | - | - | - | 171.3 | |
| BAR 29.9 HG | | 500 | 101.5 | 102.3 | 102.6 | 103.2 | 103.0 | 103.9 | 105.2 | 107.5 | 111.6 | 113.7 | 117.1 | 117.4 | 114.6 | 109.6 | - | - | - | 170.6 | |
| (01039, N/M2) | | 630 | 100.9 | 101.6 | 101.7 | 102.5 | 102.4 | 104.0 | 105.9 | 107.4 | 112.2 | 114.1 | 116.8 | 116.8 | 113.4 | 108.5 | - | - | - | 170.4 | |
| TAMB 59, DEG F | | 800 | 100.6 | 101.4 | 101.8 | 102.9 | 102.5 | 104.5 | 106.5 | 107.4 | 111.4 | 113.7 | 115.4 | 115.5 | 112.7 | 106.9 | - | - | - | 169.6 | |
| (288, DEG K) | | 1000 | 100.3 | 100.9 | 101.6 | 102.6 | 102.9 | 103.7 | 106.3 | 107.5 | 110.4 | 112.7 | 114.5 | 114.6 | 111.7 | 106.0 | - | - | - | 168.9 | |
| THET 53, DEG F | | 1250 | 99.9 | 100.6 | 102.2 | 103.0 | 103.7 | 104.3 | 105.7 | 107.2 | 110.6 | 112.6 | 114.1 | 113.4 | 110.9 | 106.0 | - | - | - | 168.7 | |
| (285, DEG K) | | 1600 | 98.4 | 100.2 | 101.0 | 102.7 | 103.2 | 103.6 | 106.2 | 106.8 | 109.2 | 111.6 | 112.7 | 112.4 | 110.1 | 104.3 | - | - | - | 167.9 | |
| HACT 8.91 GM/M3 | | 2000 | 97.3 | 98.6 | 100.1 | 101.1 | 102.5 | 102.6 | 105.4 | 105.9 | 108.2 | 110.4 | 112.0 | 111.0 | 108.5 | 103.2 | - | - | - | 167.0 | |
| (00891 KG/M3) | | 2500 | 95.4 | 97.2 | 98.4 | 100.0 | 100.7 | 101.2 | 103.8 | 103.8 | 107.2 | 108.7 | 110.4 | 109.4 | 107.2 | 101.0 | - | - | - | 165.7 | |
| FREQ. SHIFT | | 3150 | 94.0 | 96.2 | 97.5 | 98.9 | 98.9 | 99.9 | 102.0 | 102.8 | 105.3 | 107.1 | 108.5 | 107.2 | 105.3 | 99.7 | - | - | - | 164.5 | |
| JET 9 | | 4000 | 91.1 | 93.6 | 94.7 | 96.1 | 96.5 | 97.5 | 99.6 | 100.3 | 102.4 | 105.4 | 107.0 | 105.1 | 103.7 | 96.6 | - | - | - | 163.2 | |
| DIAMETER RATIO | | 5000 | 89.3 | 92.0 | 93.0 | 94.6 | 94.1 | 94.9 | 96.9 | 97.5 | 99.9 | 102.5 | 104.9 | 102.6 | 101.8 | 95.5 | - | - | - | 161.2 | |
| DF/DH 8.00 | | 6300 | 87.3 | 89.5 | 90.5 | 91.6 | 90.7 | 92.3 | 94.3 | 95.3 | 98.0 | 100.9 | 102.9 | 100.9 | 100.7 | 94.8 | - | - | - | 160.5 | |
| OVERALL CALCULATED | | 8000 | 86.1 | 87.8 | 88.5 | 89.7 | 89.0 | 89.7 | 91.7 | 93.5 | 95.5 | 100.1 | 102.2 | 100.4 | 100.3 | 96.4 | - | - | - | 161.4 | |
| PNDB | | 10000 | 86.8 | 86.9 | 85.9 | 88.2 | 87.4 | 89.0 | 90.1 | 92.3 | 94.2 | 101.2 | 102.0 | 100.8 | 99.8 | 98.0 | - | - | - | 164.0 | |
| | | | 114.4 | 113.9 | 114.2 | 114.5 | 114.4 | 115.4 | 117.5 | 118.7 | 122.3 | 125.2 | 127.6 | 130.1 | 130.7 | 127.4 | - | - | - | 183.2 | |
| | | | 122.4 | 123.3 | 124.0 | 125.0 | 125.2 | 126.0 | 128.3 | 129.0 | 132.2 | 134.7 | 136.7 | 137.1 | 136.1 | 131.6 | - | - | - | 184.5 | |

1102

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | 50 | 71.3 | 71.6 | 73.8 | 76.0 | 76.9 | 78.2 | 80.7 | 81.3 | 84.1 | 88.6 | 89.5 | 93.9 | 94.4 | 86.3 | | | |
| NO EGA | 63 | 75.9 | 76.9 | 78.5 | 78.0 | 78.5 | 80.8 | 82.5 | 83.6 | 86.4 | 89.5 | 92.4 | 98.5 | 97.4 | 90.9 | | | |
| SIDELINE 2400. FT. | 80 | 76.0 | 78.7 | 80.1 | 79.2 | 79.7 | 80.4 | 83.6 | 84.0 | 87.6 | 90.4 | 94.8 | 98.3 | 97.9 | 91.2 | | | |
| (731.52 M) | 100 | 77.8 | 78.8 | 80.7 | 81.4 | 81.6 | 82.1 | 84.6 | 85.7 | 88.7 | 92.7 | 95.5 | 97.4 | 97.5 | 92.9 | | | |
| NFA 0. RPM | 125 | 79.7 | 78.4 | 81.2 | 81.2 | 81.3 | 83.2 | 86.3 | 86.6 | 89.5 | 94.2 | 94.9 | 95.2 | 96.5 | 90.4 | | | |
| (0. RAD/SEC) | 160 | 79.2 | 79.3 | 81.7 | 82.5 | 82.7 | 84.1 | 86.5 | 87.1 | 90.1 | 94.3 | 95.7 | 97.1 | 95.9 | 89.4 | | | |
| NFK 0. RPM | 200 | 77.8 | 80.2 | 81.3 | 82.3 | 82.7 | 85.1 | 87.5 | 87.6 | 91.2 | 94.1 | 94.8 | 96.4 | 94.9 | 87.3 | | | |
| (0. RAD/SEC) | 250 | 79.3 | 79.9 | 81.0 | 83.9 | 83.7 | 85.6 | 86.9 | 87.8 | 91.7 | 93.8 | 94.9 | 96.5 | 94.8 | 85.4 | | | |
| NFD 0. RPM | 315 | 79.1 | 81.3 | 82.1 | 81.5 | 82.4 | 84.2 | 86.6 | 88.5 | 92.4 | 93.6 | 94.8 | 96.4 | 92.5 | 83.3 | | | |
| (0. RAD/SEC) | 400 | 78.9 | 81.1 | 82.3 | 83.3 | 83.5 | 84.5 | 86.6 | 88.2 | 91.5 | 93.4 | 95.2 | 96.0 | 91.2 | 80.9 | | | |
| AIRFLOW RATIO | 500 | 74.7 | 78.5 | 80.7 | 82.6 | 83.3 | 84.7 | 86.2 | 88.4 | 92.0 | 93.2 | 95.3 | 93.6 | 87.9 | 77.9 | | | |
| WF/WB 8.00 | 630 | 73.3 | 77.2 | 79.4 | 81.5 | 82.3 | 84.4 | 86.5 | 87.8 | 92.1 | 93.1 | 94.5 | 92.3 | 85.8 | 75.5 | | | |
| | 800 | 71.8 | 76.1 | 78.7 | 81.3 | 81.8 | 84.4 | 86.5 | 87.3 | 90.7 | 92.1 | 92.3 | 90.2 | 83.9 | 72.3 | | | |
| VEHICLE JENOTS | 1000 | 70.2 | 74.5 | 77.7 | 80.3 | 81.5 | 82.9 | 85.8 | 86.8 | 89.0 | 90.4 | 90.6 | 88.2 | 81.6 | 69.3 | | | |
| CONFIG JE-053 | 1250 | 68.1 | 73.0 | 77.1 | 79.7 | 81.5 | 82.8 | 84.3 | 85.7 | 88.4 | 89.3 | 89.1 | 85.8 | 79.1 | 66.8 | | | |
| LOC EVENDALE | 1600 | 64.2 | 70.7 | 74.5 | 78.1 | 79.8 | 81.0 | 83.7 | 84.1 | 85.8 | 87.0 | 86.2 | 82.9 | 75.9 | 61.5 | | | |
| DATE 04-04-75 | 2000 | 60.1 | 66.9 | 71.7 | 74.9 | 77.7 | 78.5 | 81.6 | 81.9 | 83.4 | 84.2 | 83.6 | 79.3 | 71.4 | 56.0 | | | |
| RUN DBTF- R320 | 2500 | 54.1 | 62.3 | 67.4 | 71.5 | 73.8 | 75.1 | 78.0 | 77.8 | 80.3 | 80.2 | 79.4 | 74.5 | 65.8 | 47.5 | | | |
| TAPE X80310 | 3150 | 48.0 | 56.2 | 62.3 | 66.7 | 68.6 | 70.6 | 73.1 | 73.5 | 75.0 | 74.9 | 73.3 | 67.2 | 57.2 | 36.3 | | | |
| FAN TIP SPED | 4000 | 32.9 | 45.9 | 53.1 | 58.5 | 61.2 | 63.5 | 66.0 | 66.3 | 67.1 | 67.7 | 65.5 | 57.4 | 45.5 | 18.0 | | | |
| FT/SEC | 5000 | 25.3 | 39.8 | 47.8 | 53.7 | 55.9 | 58.2 | 60.6 | 60.8 | 61.7 | 61.6 | 59.7 | 50.4 | 37.8 | 8.2 | | | |
| | 6300 | 6.1 | 24.2 | 34.5 | 41.3 | 43.9 | 47.4 | 50.0 | 50.4 | 51.2 | 50.6 | 46.9 | 35.6 | 19.5 | | | | |
| | 8000 | | 2.4 | 15.9 | 24.9 | 29.0 | 32.4 | 35.2 | 36.2 | 35.5 | 35.4 | 29.6 | 15.0 | | | | | |
| | 10000 | | | | 3.3 | 9.1 | 14.3 | 16.5 | 17.6 | 15.9 | 16.3 | 6.3 | | | | | | |
| OVERALL CALCULATED | | 88.6 | 90.3 | 92.1 | 93.4 | 94.0 | 95.6 | 97.8 | 98.9 | 102.2 | 104.5 | 105.9 | 107.3 | 105.9 | 99.2 | | | |
| PND8 | | 92.3 | 95.3 | 97.6 | 99.6 | 100.9 | 102.4 | 104.9 | 105.6 | 108.3 | 109.9 | 111.0 | 110.8 | 107.2 | 98.8 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

PROC. DATE - MONTH 4 DAY 29 HR; 19.9
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PHL | | |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|--------|--|-------|
| | | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0) | 0, (0) | 0, (0) | | |
| NO EGA | 50 | 82.7 | 81.5 | 82.6 | 84.4 | 85.9 | 86.0 | 87.1 | 89.1 | 90.1 | 92.6 | 92.5 | 99.8 | 102.2 | 102.6 | | | | | 153.1 |
| RDG. NO. 0 | 63 | 85.1 | 85.6 | 86.8 | 85.5 | 86.2 | 87.6 | 89.5 | 90.7 | 91.7 | 93.2 | 95.7 | 102.1 | 102.1 | 99.3 | | | | | 153.7 |
| RADIAL 320, FT. | 80 | 85.3 | 88.7 | 88.7 | 87.7 | 88.5 | 88.8 | 90.4 | 91.6 | 92.4 | 93.5 | 97.7 | 102.3 | 101.9 | 100.8 | | | | | 154.4 |
| (98, 4) | 100 | 86.0 | 87.9 | 88.4 | 88.8 | 89.5 | 89.5 | 90.2 | 93.6 | 94.0 | 97.0 | 99.5 | 101.3 | 99.2 | 102.5 | | | | | 154.7 |
| VEHICLE JENOTS | 125 | 88.6 | 88.9 | 90.8 | 89.7 | 90.0 | 91.4 | 92.9 | 94.1 | 95.2 | 98.6 | 100.5 | 101.4 | 99.4 | 97.7 | | | | | 155.1 |
| CONFIG JEM53 | 160 | 89.5 | 90.2 | 90.6 | 90.8 | 91.5 | 92.2 | 93.7 | 94.7 | 95.7 | 98.7 | 101.9 | 101.3 | 99.0 | 96.7 | | | | | 155.5 |
| LOC EVENDALF | 200 | 89.6 | 91.8 | 91.2 | 92.0 | 92.1 | 93.3 | 94.3 | 95.5 | 96.6 | 98.6 | 101.6 | 101.8 | 98.9 | 96.0 | | | | | 155.9 |
| DATE 04-07-75 | 250 | 91.2 | 92.9 | 90.9 | 93.5 | 93.3 | 94.2 | 93.9 | 95.9 | 96.8 | 99.7 | 101.8 | 102.1 | 98.9 | 96.9 | | | | | 156.3 |
| RUN DBTF- R320 | 315 | 91.2 | 93.4 | 93.1 | 92.1 | 92.7 | 93.8 | 94.3 | 96.8 | 97.7 | 100.5 | 101.4 | 102.6 | 98.3 | 96.1 | | | | | 156.6 |
| TAPE X80330 | 400 | 90.8 | 93.6 | 93.3 | 93.4 | 93.6 | 93.8 | 94.3 | 96.4 | 97.5 | 100.3 | 101.4 | 101.3 | 99.3 | 96.6 | | | | | 156.5 |
| BAR 29.9 HG | 500 | 97.8 | 98.0 | 94.1 | 95.4 | 95.0 | 95.7 | 95.5 | 97.3 | 98.1 | 101.0 | 101.6 | 101.4 | 99.9 | 101.3 | | | | | 157.7 |
| (01039, N/M2) | 630 | 101.9 | 101.6 | 96.7 | 98.2 | 97.2 | 97.2 | 96.7 | 98.2 | 99.5 | 101.6 | 101.8 | 102.3 | 101.4 | 104.5 | | | | | 159.4 |
| TAMB 59, DEG F | 800 | 96.1 | 99.4 | 99.1 | 98.9 | 98.2 | 97.0 | 95.2 | 96.9 | 97.9 | 100.5 | 100.9 | 100.3 | 99.7 | 97.9 | | | | | 158.1 |
| (288, DEG K) | 1000 | 94.3 | 97.9 | 98.4 | 99.8 | 100.3 | 99.7 | 97.6 | 98.0 | 98.1 | 100.2 | 100.8 | 99.6 | 99.7 | 98.2 | | | | | 158.6 |
| TWET 53, DEG F | 1250 | 94.7 | 96.9 | 96.9 | 98.2 | 99.6 | 99.3 | 98.9 | 99.7 | 99.1 | 100.3 | 100.3 | 98.9 | 99.4 | 99.2 | | | | | 158.7 |
| (285, DEG K) | 1600 | 93.5 | 96.8 | 97.2 | 97.9 | 97.8 | 97.5 | 98.1 | 99.2 | 98.6 | 100.0 | 99.6 | 99.1 | 98.3 | 97.7 | | | | | 158.1 |
| HACT 8.91 GH/M3 | 2000 | 91.9 | 95.2 | 96.0 | 96.8 | 97.9 | 97.7 | 97.3 | 98.1 | 98.4 | 99.5 | 99.2 | 97.5 | 97.0 | 96.1 | | | | | 157.6 |
| (.00891 KG/M3) | 2500 | 90.0 | 93.6 | 94.0 | 95.4 | 96.4 | 96.3 | 96.4 | 97.2 | 97.8 | 98.6 | 97.5 | 95.5 | 95.3 | 94.6 | | | | | 156.6 |
| FREQ. SHIFT | 3150 | 88.2 | 92.1 | 92.6 | 94.2 | 94.7 | 95.0 | 95.4 | 96.9 | 96.9 | 97.4 | 96.4 | 94.1 | 93.4 | 92.1 | | | | | 156.0 |
| JET 9 | 4000 | 85.7 | 90.5 | 90.3 | 91.8 | 91.6 | 93.6 | 93.4 | 95.4 | 95.0 | 96.2 | 95.1 | 92.3 | 92.1 | 89.7 | | | | | 155.0 |
| DIAMETER RATIO | 5000 | 83.7 | 88.4 | 88.7 | 90.5 | 89.8 | 90.6 | 91.0 | 92.4 | 91.8 | 92.1 | 92.3 | 88.2 | 88.9 | 87.4 | | | | | 152.5 |
| DF/DM 8.00 | 6300 | 80.7 | 84.9 | 85.2 | 86.5 | 85.9 | 86.5 | 87.0 | 88.9 | 88.2 | 89.3 | 88.8 | 85.0 | 85.9 | 84.2 | | | | | 150.2 |
| | 8000 | 78.5 | 81.7 | 82.4 | 83.6 | 82.4 | 83.2 | 83.4 | 85.5 | 85.4 | 85.6 | 86.4 | 82.8 | 83.5 | 82.1 | | | | | 149.0 |
| OVERALL CALCULATED | 10000 | 78.0 | 78.6 | 78.9 | 80.4 | 80.4 | 81.2 | 81.3 | 83.0 | 82.4 | 84.4 | 83.7 | 81.2 | 81.0 | 80.9 | | | | | 119.3 |
| PND8 | 106.5 | 108.2 | 107.3 | 108.2 | 108.5 | 108.5 | 108.3 | 109.6 | 110.1 | 112.1 | 113.1 | 113.6 | 112.4 | 112.1 | | | | | | 169.9 |
| | 116.0 | 118.3 | 118.2 | 119.3 | 119.8 | 120.0 | 120.0 | 121.5 | 121.7 | 123.0 | 123.0 | 121.9 | 121.2 | 120.5 | | | | | | 171.2 |

Model 8

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY) | | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | |
|--------------------|-------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|--|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 58.8 | 59.9 | 62.5 | 65.5 | 67.7 | 68.2 | 69.4 | 71.3 | 71.8 | 73.6 | 72.5 | 78.2 | 78.4 | 75.3 | | | | |
| | NO EGA | 63 | 61.1 | 63.9 | 66.7 | 66.5 | 68.0 | 69.8 | 71.8 | 72.9 | 73.4 | 74.2 | 75.6 | 80.5 | 78.1 | 71.9 | | | | |
| SIDELINE 2400. FT. | | 80 | 61.3 | 67.0 | 68.6 | 68.7 | 70.2 | 70.9 | 72.6 | 73.7 | 74.1 | 74.4 | 77.6 | 80.6 | 77.9 | 73.2 | | | | |
| | (731.52 M) | 100 | 61.8 | 66.1 | 68.2 | 69.7 | 71.1 | 71.6 | 72.4 | 75.7 | 75.7 | 77.9 | 79.2 | 79.4 | 75.0 | 74.7 | | | | |
| NFA | 0. RPH | 125 | 64.2 | 66.9 | 70.5 | 70.5 | 71.6 | 73.4 | 75.0 | 76.1 | 76.7 | 79.4 | 80.2 | 79.5 | 75.0 | 69.7 | | | | |
| (| 0. RAD/SEC) | 160 | 65.0 | 68.1 | 70.2 | 71.5 | 72.9 | 74.1 | 75.7 | 76.6 | 77.1 | 79.3 | 81.4 | 79.1 | 74.4 | 68.4 | | | | |
| NFK | 0. RPH | 200 | 64.8 | 69.5 | 70.6 | 72.6 | 73.4 | 75.1 | 76.2 | 77.3 | 78.0 | 79.1 | 81.0 | 79.4 | 74.1 | 67.3 | | | | |
| (| 0. RAD/SEC) | 250 | 66.1 | 70.4 | 70.0 | 73.9 | 74.5 | 75.8 | 75.6 | 77.5 | 78.0 | 80.1 | 80.9 | 79.5 | 73.8 | 67.6 | | | | |
| NFD | 0. RPH | 315 | 65.6 | 70.6 | 72.1 | 72.2 | 73.7 | 75.2 | 75.9 | 78.2 | 78.6 | 80.6 | 80.3 | 79.7 | 72.7 | 66.3 | | | | |
| (| 0. RAD/SEC) | 400 | 64.7 | 70.3 | 71.8 | 73.3 | 74.2 | 75.0 | 75.6 | 77.5 | 78.2 | 80.2 | 80.0 | 78.0 | 73.2 | 65.9 | | | | |
| AIRFLOW RATIO | | 500 | 71.0 | 74.2 | 72.2 | 74.9 | 75.3 | 76.5 | 76.4 | 78.1 | 78.5 | 80.5 | 79.8 | 77.6 | 73.1 | 69.7 | | | | |
| WF/WB 8.00 | | 630 | 74.3 | 77.2 | 74.4 | 77.2 | 77.1 | 77.6 | 77.3 | 78.6 | 79.4 | 80.6 | 79.5 | 77.8 | 73.8 | 71.5 | | | | |
| | | 800 | 67.3 | 74.1 | 76.0 | 77.3 | 77.5 | 76.9 | 75.3 | 76.8 | 77.2 | 78.9 | 77.8 | 74.9 | 70.9 | 63.3 | | | | |
| VEHICLE | JENOTS | 1000 | 64.2 | 71.5 | 74.4 | 77.5 | 79.0 | 78.9 | 77.0 | 77.3 | 76.8 | 77.9 | 76.8 | 73.2 | 69.6 | 61.6 | | | | |
| CONFIG | JE-053 | 1250 | 62.9 | 69.2 | 71.9 | 74.9 | 77.5 | 77.8 | 77.6 | 78.2 | 76.9 | 77.1 | 75.3 | 71.3 | 67.6 | 60.0 | | | | |
| LOC | EVENDALE | 1600 | 59.3 | 67.4 | 70.7 | 73.3 | 74.4 | 74.9 | 75.6 | 76.5 | 75.3 | 75.4 | 73.1 | 69.6 | 64.1 | 54.9 | | | | |
| DATE | 04-07-75 | 2000 | 54.8 | 63.5 | 67.6 | 70.6 | 73.1 | 73.7 | 73.5 | 74.0 | 73.5 | 73.3 | 70.8 | 65.8 | 59.8 | 48.9 | | | | |
| RUN | DBTF- R-320 | 2500 | 48.7 | 58.7 | 63.1 | 66.9 | 69.5 | 70.3 | 70.7 | 71.2 | 70.9 | 70.1 | 66.5 | 60.6 | 54.0 | 41.2 | | | | |
| TAPE | X80330 | 3150 | 40.1 | 52.1 | 57.4 | 62.1 | 64.4 | 65.8 | 66.5 | 67.7 | 66.6 | 65.3 | 61.2 | 54.0 | 45.4 | 28.6 | | | | |
| FAN TIP SPEED | | 4000 | 27.6 | 42.8 | 48.8 | 54.1 | 56.3 | 59.6 | 59.9 | 61.4 | 59.7 | 58.6 | 53.6 | 44.5 | 33.9 | 11.1 | | | | |
| | FT/SEC | 5000 | 19.7 | 36.2 | 43.4 | 49.6 | 51.5 | 53.8 | 54.7 | 55.7 | 53.6 | 51.2 | 47.1 | 36.0 | 24.9 | 0.1 | | | | |
| | | 6300 | | 19.7 | 29.2 | 36.2 | 39.1 | 41.6 | 42.7 | 44.0 | 41.4 | 39.0 | 32.8 | 19.7 | 4.7 | | | | | |
| | | 8000 | | | 9.8 | 18.9 | 22.4 | 25.8 | 26.9 | 28.1 | 25.5 | 20.8 | 13.8 | | | | | | | |
| | | 10000 | | | | 2.1 | 6.5 | 7.7 | 8.3 | 4.1 | | | | | | | | | | |
| OVERALL CALCULATED | | | 78.7 | 83.0 | 83.8 | 86.0 | 87.1 | 87.7 | 87.8 | 89.1 | 89.3 | 90.8 | 91.0 | 90.3 | 86.5 | 82.1 | | | | |
| | PNDB | | 84.7 | 89.5 | 90.7 | 93.3 | 94.9 | 95.7 | 95.8 | 97.0 | 96.6 | 97.1 | 96.2 | 94.1 | 89.2 | 84.0 | | | | |

1105

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-------|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| REV. ALPHA 12/73 | FREQ. | | | | | | | | | | | | | | | | | | | |
| | 50 | 86.4 | 85.2 | 86.1 | 87.7 | 88.7 | 89.2 | 90.3 | 93.1 | 94.3 | 97.3 | 98.0 | 105.3 | 107.7 | 106.9 | | | | 158.1 | |
| NO EGA | 63 | 89.3 | 89.6 | 90.6 | 89.3 | 90.0 | 91.4 | 92.7 | 94.5 | 96.2 | 98.2 | 100.5 | 107.1 | 107.1 | 105.1 | | | | 158.6 | |
| RDG. NO. 0 | 80 | 89.3 | 91.2 | 92.0 | 90.7 | 91.5 | 91.8 | 93.9 | 95.6 | 96.9 | 99.0 | 103.5 | 108.1 | 107.9 | 105.3 | | | | 159.7 | |
| RADIAL 320. FT. | 100 | 89.7 | 91.2 | 92.1 | 92.5 | 92.5 | 93.5 | 94.4 | 97.6 | 98.8 | 101.5 | 105.2 | 106.3 | 105.0 | 106.2 | | | | 159.5 | |
| (98, M) | 125 | 92.6 | 93.1 | 93.5 | 92.9 | 93.0 | 94.7 | 96.4 | 98.1 | 99.7 | 103.9 | 106.5 | 107.7 | 104.4 | 102.7 | | | | 160.3 | |
| VEHICLE JENOTS | 160 | 93.3 | 93.2 | 94.4 | 94.1 | 94.5 | 96.2 | 97.0 | 99.2 | 99.7 | 103.9 | 108.3 | 107.8 | 104.2 | 102.2 | | | | 161.0 | |
| CONFIG JE-053 | 200 | 92.9 | 95.3 | 94.2 | 95.1 | 95.4 | 96.8 | 97.6 | 99.8 | 100.9 | 104.8 | 106.9 | 107.0 | 104.4 | 102.0 | | | | 160.8 | |
| LOC EVENDALE | 250 | 95.2 | 95.7 | 94.1 | 96.3 | 96.6 | 97.5 | 97.9 | 100.2 | 101.3 | 106.0 | 107.5 | 108.1 | 106.0 | 104.4 | | | | 161.8 | |
| DATE 04-07-75 | 315 | 95.2 | 96.5 | 95.9 | 95.4 | 95.8 | 97.3 | 97.6 | 100.8 | 102.0 | 106.5 | 106.9 | 108.4 | 107.1 | 106.2 | | | | 162.1 | |
| RUN DBTF- R=320 | 400 | 102.8 | 102.7 | 98.8 | 98.5 | 97.8 | 98.3 | 98.8 | 100.9 | 102.6 | 106.9 | 107.9 | 109.6 | 112.3 | 115.4 | | | | 165.3 | |
| TAPE X80340 | 500 | 99.3 | 102.1 | 99.8 | 98.2 | 97.3 | 97.9 | 98.5 | 101.3 | 102.9 | 106.0 | 106.9 | 108.2 | 109.7 | 108.9 | | | | 163.2 | |
| BAR 29.9 HG | 630 | 99.4 | 101.7 | 102.3 | 101.8 | 99.7 | 98.7 | 98.4 | 101.7 | 103.7 | 106.7 | 107.9 | 109.0 | 109.4 | 107.8 | | | | 163.8 | |
| (01039, N/M2) | 800 | 97.4 | 99.9 | 101.1 | 102.5 | 103.0 | 102.3 | 99.5 | 101.5 | 103.4 | 106.5 | 107.5 | 109.3 | 110.4 | 107.9 | | | | 164.3 | |
| TAMB 59, DEG F | 1000 | 97.4 | 99.7 | 99.7 | 101.1 | 102.1 | 102.7 | 101.6 | 102.8 | 103.6 | 106.3 | 107.8 | 109.4 | 109.3 | 107.0 | | | | 164.2 | |
| (288, DEG K) | 1250 | 97.9 | 100.1 | 100.4 | 101.0 | 101.1 | 101.1 | 101.9 | 103.7 | 104.6 | 106.1 | 107.6 | 108.2 | 108.4 | 107.0 | | | | 164.0 | |
| THET 53, DFG F | 1600 | 96.5 | 99.6 | 99.7 | 101.4 | 102.0 | 101.0 | 101.3 | 103.9 | 104.1 | 105.7 | 107.1 | 107.1 | 107.3 | 105.4 | | | | 163.6 | |
| (285, DEG K) | 2000 | 94.9 | 98.4 | 98.9 | 100.0 | 101.4 | 101.2 | 101.3 | 103.0 | 103.8 | 104.4 | 106.1 | 106.4 | 106.1 | 103.5 | | | | 163.0 | |
| HACT 8.91 GH/M3 | 2500 | 93.4 | 96.7 | 97.4 | 98.8 | 99.8 | 100.0 | 100.1 | 101.9 | 103.0 | 103.0 | 104.6 | 104.9 | 104.2 | 101.2 | | | | 161.9 | |
| (.00891 KG/M3) | 3150 | 91.8 | 96.0 | 96.5 | 97.6 | 97.6 | 98.4 | 99.0 | 100.5 | 101.3 | 102.1 | 102.8 | 102.4 | 102.3 | 99.7 | | | | 160.8 | |
| FREQ. SHIFT | 4000 | 88.6 | 92.9 | 93.4 | 95.1 | 95.4 | 96.5 | 96.8 | 98.5 | 98.4 | 100.1 | 101.3 | 100.1 | 100.7 | 97.3 | | | | 159.4 | |
| JET 9 | 5000 | 87.1 | 91.1 | 91.6 | 93.4 | 93.2 | 93.7 | 94.2 | 96.1 | 95.9 | 97.0 | 98.4 | 97.3 | 98.0 | 96.3 | | | | 157.3 | |
| DIAMETER RATIO | 6300 | 83.9 | 87.9 | 89.9 | 90.4 | 89.6 | 90.9 | 91.4 | 93.1 | 93.3 | 95.0 | 97.2 | 95.7 | 96.8 | 94.7 | | | | 156.3 | |
| DF/DM 8.00 | 8000 | 80.7 | 84.9 | 86.3 | 87.3 | 86.6 | 87.1 | 87.6 | 90.4 | 91.1 | 92.8 | 95.8 | 94.0 | 95.0 | 92.8 | | | | 156.0 | |
| | 10000 | 77.7 | 81.3 | 82.8 | 83.9 | 83.4 | 84.2 | 84.5 | 87.2 | 87.6 | 92.6 | 94.2 | 92.4 | 93.9 | 91.9 | | | | 156.8 | |
| OVERALL CALCULATED | | 109.1 | 111.0 | 110.7 | 111.3 | 111.6 | 111.7 | 111.8 | 113.9 | 114.9 | 117.7 | 119.3 | 120.5 | 120.6 | 120.1 | | | | 175.5 | |
| PNOB | | 118.6 | 121.5 | 121.7 | 122.6 | 123.1 | 123.4 | 123.6 | 125.6 | 126.6 | 128.1 | 129.7 | 130.2 | 130.0 | 129.4 | | | | 176.8 | |

Model 8

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY) | | | | | | | | | | | | | | | | |
|--------------------|---------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ. | 50 | 62.6 | 63.6 | 66.0 | 68.7 | 70.4 | 71.4 | 72.7 | 75.3 | 76.1 | 78.4 | 78.0 | 83.7 | 83.9 | 79.6 | | |
| | NO EGA | 63 | 65.4 | 67.9 | 70.5 | 70.3 | 71.7 | 73.5 | 75.0 | 76.6 | 77.9 | 79.2 | 80.4 | 85.5 | 83.1 | 77.6 | | |
| SIDELINE 2400. FT. | | 80 | 65.3 | 69.5 | 71.8 | 71.7 | 73.2 | 73.9 | 76.1 | 77.7 | 78.6 | 79.9 | 83.3 | 86.3 | 83.9 | 77.7 | | |
| | (731.52 M) | 100 | 65.5 | 69.3 | 71.9 | 73.4 | 74.1 | 75.6 | 76.6 | 79.7 | 80.4 | 82.4 | 85.0 | 84.4 | 80.8 | 78.4 | | |
| NFA | 0. RPM | 125 | 68.2 | 71.2 | 73.2 | 73.7 | 74.6 | 76.7 | 78.5 | 80.1 | 81.2 | 84.7 | 86.2 | 85.7 | 80.0 | 74.7 | | |
| | (0. RAD/SEC) | 160 | 68.7 | 71.1 | 73.9 | 74.8 | 76.0 | 78.1 | 79.0 | 81.1 | 81.1 | 84.6 | 87.9 | 85.6 | 79.7 | 73.9 | | |
| NFK | 0. RPM | 200 | 68.1 | 73.0 | 73.6 | 75.6 | 76.7 | 78.6 | 79.5 | 81.6 | 82.2 | 85.4 | 86.3 | 84.7 | 79.6 | 73.3 | | |
| | (0. RAD/SEC) | 250 | 70.1 | 73.1 | 73.3 | 76.6 | 77.7 | 79.1 | 79.6 | 81.8 | 82.5 | 86.4 | 86.7 | 85.5 | 80.8 | 75.2 | | |
| NFD | 0. RPM | 315 | 69.7 | 73.6 | 74.8 | 75.5 | 76.7 | 78.7 | 79.2 | 82.2 | 82.9 | 86.6 | 85.8 | 85.5 | 81.5 | 76.3 | | |
| | (0. RAD/SEC) | 400 | 76.7 | 79.3 | 77.3 | 78.3 | 78.5 | 79.5 | 80.1 | 82.0 | 83.2 | 86.7 | 86.5 | 86.3 | 86.2 | 84.7 | | |
| AIRFLOW RATIO | | 500 | 72.5 | 78.2 | 78.0 | 77.7 | 77.6 | 78.8 | 79.5 | 82.1 | 83.3 | 85.5 | 85.1 | 84.4 | 82.9 | 77.2 | | |
| | WF/WM 8.00 | 630 | 71.8 | 77.2 | 79.9 | 80.8 | 79.6 | 79.2 | 79.0 | 82.1 | 83.7 | 85.7 | 85.5 | 84.6 | 81.8 | 74.8 | | |
| | | 800 | 68.6 | 74.6 | 78.0 | 80.8 | 82.3 | 82.2 | 79.6 | 81.4 | 82.7 | 84.9 | 84.4 | 84.0 | 81.7 | 73.3 | | |
| VEHICLE | JENOTS | 1000 | 67.2 | 73.3 | 75.7 | 78.8 | 80.8 | 82.0 | 81.1 | 82.1 | 82.3 | 83.9 | 83.8 | 83.0 | 79.2 | 70.4 | | |
| CONFIG | JEM053 | 1250 | 66.1 | 72.5 | 75.4 | 77.7 | 79.0 | 79.5 | 80.6 | 82.2 | 82.4 | 82.8 | 82.6 | 80.5 | 76.6 | 67.8 | | |
| LOC | EVENDALE | 1600 | 62.3 | 70.1 | 73.1 | 76.8 | 78.6 | 78.3 | 78.8 | 81.2 | 80.7 | 81.1 | 80.6 | 77.6 | 73.0 | 62.6 | | |
| DATE | 04-07-75 | 2000 | 57.7 | 66.7 | 70.6 | 73.8 | 76.6 | 77.1 | 77.5 | 79.0 | 79.0 | 78.3 | 77.7 | 74.7 | 69.0 | 56.4 | | |
| RUN | DBTF- R#320 | 2500 | 52.1 | 61.8 | 66.5 | 70.3 | 72.9 | 73.9 | 74.3 | 75.8 | 76.1 | 74.5 | 73.6 | 70.0 | 62.9 | 47.8 | | |
| TAPE | X80340 | 3150 | 43.7 | 55.9 | 61.3 | 65.4 | 67.3 | 69.1 | 70.1 | 71.3 | 71.0 | 69.9 | 67.5 | 62.4 | 54.2 | 36.2 | | |
| FAN TIP SPEED | | 4000 | 30.4 | 45.2 | 51.9 | 57.4 | 60.1 | 62.5 | 63.2 | 64.5 | 63.1 | 62.4 | 59.7 | 52.4 | 42.9 | 18.8 | | |
| | FT/SEC | 5000 | 23.1 | 38.9 | 46.3 | 52.5 | 54.9 | 57.0 | 57.9 | 59.3 | 57.7 | 56.1 | 53.2 | 45.2 | 34.0 | 9.0 | | |
| | | 6300 | 2.7 | 22.6 | 33.8 | 40.1 | 42.8 | 46.0 | 47.1 | 48.2 | 46.5 | 44.7 | 41.2 | 30.4 | 15.6 | | | |
| | | 8000 | | | 13.7 | 22.6 | 26.6 | 29.7 | 31.1 | 33.0 | 31.2 | 28.0 | 23.2 | 8.6 | | | | |
| | | 10000 | | | | | 3.1 | 9.5 | 10.9 | 12.5 | 9.3 | 7.8 | | | | | | |
| OVERALL CALCULATED | | | 81.8 | 86.1 | 87.4 | 89.1 | 90.1 | 91.0 | 91.2 | 93.3 | 94.0 | 96.5 | 97.0 | 96.7 | 93.9 | 89.3 | | |
| | PND8 | | 87.7 | 92.4 | 94.2 | 96.7 | 98.2 | 99.1 | 99.5 | 101.4 | 101.6 | 102.7 | 102.6 | 101.7 | 99.0 | 94.2 | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0, 0, 0, PKL | | |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|--------------|-------|--|
| | | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0.00) | 0, (0.00) | 0, (0.00) | | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 84.7 | 83.5 | 84.3 | 85.4 | 86.4 | 86.7 | 88.6 | 90.8 | 92.6 | 95.1 | 96.3 | 103.3 | 105.2 | 105.4 | | | | 156.0 | |
| NO EGA | | 63 | 87.6 | 87.3 | 88.3 | 87.0 | 88.0 | 89.6 | 90.7 | 92.7 | 94.4 | 96.2 | 99.0 | 105.9 | 107.1 | 104.1 | | | | 157.6 | |
| RDG. NO. 0, | | 80 | 87.8 | 89.2 | 89.7 | 88.2 | 89.5 | 89.3 | 91.4 | 93.1 | 94.2 | 96.7 | 100.5 | 105.3 | 106.2 | 105.6 | | | | 157.7 | |
| RADIAL 320. FT. | | 100 | 88.0 | 88.9 | 89.7 | 89.8 | 90.8 | 90.5 | 91.4 | 94.9 | 96.1 | 99.3 | 102.7 | 104.0 | 103.0 | 105.2 | | | | 157.4 | |
| (98, M) | | 125 | 89.4 | 88.7 | 91.3 | 90.4 | 90.8 | 91.7 | 93.7 | 95.6 | 96.9 | 100.4 | 103.0 | 103.7 | 101.1 | 100.5 | | | | 157.0 | |
| VEHICLE JENOTS | | 160 | 90.3 | 90.3 | 90.9 | 91.1 | 91.3 | 92.8 | 94.2 | 95.8 | 97.0 | 100.4 | 103.7 | 104.3 | 100.7 | 98.0 | | | | 157.3 | |
| CONFIG JE-053 | | 200 | 89.2 | 91.8 | 90.8 | 91.6 | 92.4 | 93.3 | 94.9 | 96.8 | 97.7 | 99.9 | 103.2 | 103.8 | 100.0 | 97.3 | | | | 157.1 | |
| LOC EVENDALE | | 250 | 90.8 | 91.5 | 90.7 | 93.1 | 93.1 | 94.0 | 94.9 | 97.0 | 97.6 | 101.0 | 102.8 | 103.7 | 100.3 | 98.2 | | | | 157.3 | |
| DATE 04-07-75 | | 315 | 90.8 | 92.8 | 92.2 | 92.0 | 92.3 | 93.4 | 94.7 | 96.9 | 99.0 | 101.8 | 102.2 | 103.2 | 99.9 | 98.7 | | | | 157.4 | |
| RUN DBTF- R#320 | | 400 | 90.4 | 93.0 | 92.9 | 93.1 | 93.2 | 94.2 | 95.1 | 97.2 | 98.7 | 101.7 | 102.8 | 102.7 | 100.7 | 100.5 | | | | 157.6 | |
| TAPE X80350 | | 500 | 90.7 | 93.7 | 92.7 | 92.8 | 93.1 | 94.1 | 94.6 | 97.7 | 99.0 | 101.9 | 102.5 | 102.3 | 101.0 | 101.0 | | | | 157.7 | |
| BAR 29.9 HG | | 630 | 106.1 | 109.6 | 98.9 | 101.2 | 98.6 | 99.9 | 96.8 | 100.1 | 100.6 | 103.1 | 104.5 | 105.7 | 112.3 | 111.4 | | | | 164.3 | |
| (01039, N/42) | | 800 | 98.5 | 102.4 | 98.6 | 98.1 | 96.4 | 96.0 | 95.4 | 97.9 | 99.1 | 101.7 | 102.4 | 102.6 | 104.9 | 105.1 | | | | 159.7 | |
| TAMB 59, DEG F | | 1000 | 97.5 | 101.6 | 101.6 | 102.0 | 100.8 | 97.6 | 95.8 | 98.0 | 99.0 | 101.4 | 102.2 | 102.2 | 103.2 | 103.2 | | | | 160.1 | |
| (288, DEG K) | | 1250 | 97.0 | 100.5 | 100.7 | 101.8 | 102.7 | 102.1 | 98.7 | 98.8 | 99.4 | 100.9 | 101.9 | 101.7 | 103.7 | 105.3 | | | | 160.9 | |
| THWT 53, DEG F | | 1600 | 95.3 | 98.6 | 98.2 | 99.2 | 100.6 | 100.6 | 99.6 | 99.2 | 98.9 | 100.8 | 100.9 | 101.1 | 102.6 | 102.7 | | | | 159.9 | |
| (285, DEG K) | | 2000 | 93.5 | 97.1 | 97.6 | 98.2 | 98.8 | 98.6 | 98.7 | 99.2 | 98.7 | 99.6 | 100.0 | 100.3 | 101.3 | 101.7 | | | | 159.1 | |
| HACT 8.91 GM/M3 | | 2500 | 91.3 | 95.1 | 95.5 | 96.6 | 97.1 | 96.6 | 96.4 | 98.5 | 98.3 | 98.1 | 98.5 | 98.2 | 99.5 | 99.3 | | | | 157.7 | |
| (.00891 KG/M3) | | 3150 | 89.3 | 93.8 | 94.5 | 95.4 | 94.9 | 94.9 | 95.1 | 96.3 | 96.8 | 97.1 | 96.1 | 96.5 | 97.8 | 97.5 | | | | 156.6 | |
| FREQ. SHIFT | | 4000 | 86.4 | 90.4 | 90.7 | 92.4 | 92.0 | 93.3 | 93.4 | 94.6 | 93.7 | 95.2 | 95.1 | 93.4 | 95.7 | 95.1 | | | | 155.0 | |
| JET 9 | | 5000 | 84.2 | 88.9 | 89.9 | 90.5 | 90.0 | 90.6 | 91.0 | 92.2 | 91.5 | 91.6 | 92.3 | 91.0 | 93.7 | 93.2 | | | | 153.1 | |
| DIAMETER RATIO | | 6300 | 81.1 | 86.3 | 87.0 | 88.3 | 87.5 | 88.5 | 89.6 | 90.3 | 89.5 | 88.7 | 89.9 | 88.9 | 91.5 | 91.1 | | | | 152.1 | |
| DF/DM 8.00 | | 8000 | 78.0 | 82.9 | 83.6 | 85.0 | 83.3 | 84.6 | 84.6 | 86.1 | 86.1 | 87.7 | 87.3 | 88.2 | 89.9 | 89.8 | | | | 150.9 | |
| | | 10000 | 76.7 | 80.1 | 80.6 | 81.6 | 80.9 | 81.8 | 82.1 | 84.0 | 82.7 | 82.7 | 84.7 | 88.7 | 90.0 | 89.7 | | | | 151.9 | |
| OVERALL CALCULATED | | | 108.8 | 112.2 | 108.8 | 109.6 | 109.5 | 109.3 | 108.7 | 110.3 | 111.0 | 113.2 | 114.7 | 116.0 | 117.2 | 116.7 | | | | 171.9 | |
| PND8 | | | 118.2 | 121.5 | 119.6 | 120.4 | 120.5 | 120.5 | 120.4 | 122.0 | 122.3 | 123.3 | 124.2 | 124.5 | 126.4 | 125.9 | | | | 173.2 | |

Model 8

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY) | | | | | | | | | | | | | | | | |
|--------------------|-------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ. | 50 | 60.8 | 61.9 | 64.3 | 66.5 | 68.2 | 68.9 | 70.9 | 73.0 | 74.3 | 76.1 | 76.2 | 81.7 | 81.4 | 78.1 | | |
| | NO FGA | 63 | 63.6 | 65.7 | 68.2 | 68.0 | 69.7 | 71.8 | 73.0 | 74.9 | 76.2 | 77.2 | 78.9 | 84.2 | 83.1 | 76.6 | | |
| SIDELINE 2400. FT. | | 80 | 63.8 | 67.5 | 69.6 | 69.2 | 71.2 | 71.4 | 73.6 | 75.2 | 76.4 | 77.7 | 80.3 | 83.6 | 82.1 | 78.0 | | |
| | (731.52 M) | 100 | 63.8 | 67.1 | 69.4 | 70.7 | 72.4 | 72.6 | 73.6 | 77.0 | 77.7 | 80.2 | 82.5 | 82.2 | 78.8 | 77.5 | | |
| NFA | 0, RPM | 125 | 65.0 | 66.7 | 71.0 | 71.3 | 72.4 | 73.7 | 75.8 | 77.6 | 78.5 | 81.2 | 82.7 | 81.7 | 76.8 | 72.4 | | |
| (| 0, RAD/SEC) | 160 | 65.8 | 68.1 | 70.5 | 71.8 | 72.7 | 74.6 | 76.3 | 77.6 | 78.4 | 81.1 | 83.2 | 82.2 | 76.2 | 69.7 | | |
| NFK | 0, RPM | 200 | 64.3 | 69.5 | 70.1 | 72.1 | 73.7 | 75.1 | 76.8 | 78.6 | 79.0 | 80.4 | 82.6 | 81.5 | 75.2 | 68.6 | | |
| (| 0, RAD/SEC) | 250 | 65.6 | 68.9 | 69.9 | 73.4 | 74.3 | 75.6 | 76.7 | 78.6 | 78.8 | 81.4 | 82.0 | 81.1 | 75.1 | 69.0 | | |
| NFD | 0, RPM | 315 | 65.2 | 69.9 | 71.2 | 72.1 | 73.3 | 74.8 | 76.2 | 78.3 | 80.0 | 81.9 | 81.1 | 80.3 | 74.3 | 68.9 | | |
| (| 0, RAD/SEC) | 400 | 64.3 | 69.7 | 71.4 | 72.9 | 73.9 | 75.3 | 76.4 | 78.4 | 79.3 | 81.5 | 81.3 | 79.4 | 74.6 | 69.8 | | |
| AIRFLOW RATIO | | 500 | 63.9 | 69.9 | 70.9 | 72.3 | 73.5 | 74.9 | 75.6 | 78.5 | 79.4 | 81.4 | 80.7 | 78.5 | 74.3 | 69.3 | | |
| WF/WM 8.00 | | 630 | 78.4 | 85.1 | 76.5 | 80.2 | 78.5 | 80.3 | 77.4 | 80.5 | 80.6 | 82.1 | 82.1 | 81.2 | 84.7 | 78.5 | | |
| | | 800 | 69.8 | 77.0 | 75.4 | 76.5 | 75.8 | 75.9 | 75.5 | 77.8 | 78.4 | 80.1 | 79.3 | 77.2 | 76.1 | 70.5 | | |
| VEHICLE | JENOTS | 1000 | 67.4 | 75.2 | 77.6 | 79.7 | 79.5 | 76.9 | 75.2 | 77.2 | 77.7 | 79.1 | 78.2 | 75.9 | 73.0 | 66.5 | | |
| CONFIG | JE-053 | 1250 | 65.2 | 72.8 | 75.7 | 78.5 | 80.6 | 80.6 | 77.4 | 77.3 | 77.2 | 77.6 | 76.9 | 74.1 | 71.9 | 66.1 | | |
| LOC | EVENDALE | 1600 | 61.1 | 69.1 | 71.7 | 74.6 | 77.2 | 77.9 | 77.1 | 76.5 | 75.5 | 76.2 | 74.4 | 71.6 | 60.3 | 59.9 | | |
| DATE | 04-07-75 | 2000 | 56.4 | 65.4 | 69.2 | 72.0 | 74.0 | 74.5 | 74.9 | 75.1 | 73.9 | 73.4 | 71.7 | 68.6 | 64.2 | 54.5 | | |
| RUN | DBTF- R=320 | 2500 | 50.0 | 60.2 | 64.6 | 68.1 | 70.2 | 70.5 | 70.7 | 72.4 | 71.4 | 69.6 | 67.5 | 63.3 | 58.2 | 45.9 | | |
| TAPE | X80390 | 3150 | 41.3 | 53.8 | 59.3 | 63.2 | 64.6 | 65.7 | 66.2 | 67.1 | 66.5 | 64.9 | 60.9 | 56.4 | 49.8 | 34.0 | | |
| FAN TIP SPEED | | 4000 | 28.2 | 42.7 | 49.2 | 54.8 | 56.7 | 59.3 | 59.8 | 60.6 | 58.4 | 57.5 | 53.5 | 45.7 | 37.6 | 16.6 | | |
| | FT/SEC | 5000 | 20.2 | 36.7 | 44.7 | 49.6 | 51.8 | 53.8 | 54.7 | 55.4 | 53.3 | 50.7 | 47.1 | 38.8 | 29.7 | 5.8 | | |
| | | 6300 | | 21.0 | 31.0 | 38.0 | 40.7 | 43.7 | 45.3 | 45.4 | 42.7 | 38.4 | 33.9 | 23.6 | 10.3 | | | |
| | | 8000 | | | 11.0 | 20.3 | 23.4 | 27.2 | 28.0 | 28.8 | 26.1 | 21.0 | 14.7 | 2.9 | | | | |
| | | 10000 | | | | 2.6 | 7.0 | 8.5 | 9.3 | 4.4 | | | | | | | | |
| OVERALL CALCULATED | | | 80.8 | 87.1 | 84.9 | 87.1 | 87.8 | 88.4 | 88.2 | 89.9 | 90.5 | 92.3 | 92.9 | 92.9 | 90.8 | 85.9 | | |
| | PNDB | | 87.1 | 93.9 | 91.8 | 94.4 | 96.0 | 96.8 | 96.6 | 97.6 | 97.3 | 98.1 | 97.9 | 96.6 | 95.6 | 89.2 | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| NO EGA | 50 | 85.9 | 84.2 | 84.8 | 86.7 | 88.2 | 88.2 | 90.1 | 92.1 | 93.6 | 97.3 | 98.0 | 105.0 | 107.0 | 106.6 | | | | | |
| RDG. NO. 0. | 63 | 89.1 | 88.3 | 89.1 | 88.0 | 89.5 | 90.4 | 92.0 | 93.5 | 94.9 | 97.7 | 100.0 | 107.4 | 107.3 | 105.3 | | | | | |
| RADIAL 320. FT. | 80 | 89.6 | 91.0 | 91.0 | 90.0 | 91.2 | 90.8 | 93.9 | 94.4 | 96.4 | 98.5 | 102.5 | 106.8 | 107.7 | 106.3 | | | | | |
| (98. 4) | 100 | 89.2 | 90.7 | 91.2 | 91.8 | 92.3 | 92.5 | 94.2 | 96.7 | 97.8 | 101.3 | 103.7 | 105.0 | 104.2 | 107.0 | | | | | |
| VEHICLE JENOTS | 125 | 91.6 | 91.4 | 92.3 | 91.9 | 93.3 | 94.0 | 96.0 | 97.1 | 98.9 | 102.6 | 104.8 | 105.2 | 102.9 | 103.0 | | | | | |
| CONFIG JE-053 | 160 | 92.6 | 92.8 | 92.9 | 93.6 | 94.0 | 95.0 | 96.7 | 98.3 | 99.7 | 102.7 | 106.2 | 105.3 | 102.5 | 101.3 | | | | | |
| LOC EVENDALE | 200 | 91.9 | 94.6 | 94.0 | 94.3 | 95.7 | 96.6 | 98.4 | 99.8 | 100.9 | 103.9 | 105.4 | 105.6 | 103.0 | 100.3 | | | | | |
| DATE 04-07-75 | 250 | 94.0 | 95.2 | 93.7 | 96.1 | 96.9 | 96.8 | 97.9 | 100.0 | 100.9 | 104.8 | 105.8 | 105.9 | 103.3 | 101.2 | | | | | |
| RUN DBTF- R=320 | 315 | 94.3 | 96.3 | 95.7 | 95.5 | 96.1 | 96.7 | 98.4 | 100.6 | 102.0 | 104.8 | 105.2 | 105.4 | 102.9 | 101.2 | | | | | |
| TAPE X80360 | 400 | 104.4 | 107.0 | 101.9 | 97.6 | 100.4 | 99.4 | 99.1 | 101.2 | 102.7 | 106.0 | 106.8 | 107.5 | 108.7 | 110.7 | | | | | |
| BAR 29.9 HG | 500 | 112.4 | 114.9 | 108.7 | 102.6 | 106.6 | 102.8 | 102.6 | 103.2 | 104.3 | 106.4 | 107.8 | 110.8 | 114.8 | 117.3 | | | | | |
| (01039. N/M2) | 630 | 100.6 | 103.6 | 103.2 | 102.2 | 100.8 | 99.9 | 99.6 | 101.6 | 103.4 | 105.6 | 105.5 | 105.4 | 104.8 | 103.9 | | | | | |
| TAMB 59. DEG F | 800 | 99.8 | 102.9 | 103.3 | 105.1 | 105.4 | 104.6 | 103.7 | 101.9 | 102.6 | 105.0 | 105.4 | 104.7 | 105.6 | 105.6 | | | | | |
| (288. DEG K) | 1000 | 103.0 | 103.6 | 101.8 | 103.3 | 105.5 | 106.6 | 108.3 | 109.0 | 103.0 | 104.4 | 104.9 | 104.5 | 107.9 | 110.4 | | | | | |
| THEY 53. DEG F | 1250 | 99.8 | 101.0 | 101.2 | 102.0 | 103.5 | 103.1 | 103.2 | 104.0 | 103.6 | 104.2 | 104.4 | 103.7 | 105.2 | 106.5 | | | | | |
| (285. DEG K) | 1600 | 98.3 | 100.4 | 100.5 | 101.2 | 102.6 | 102.6 | 102.6 | 103.2 | 102.7 | 104.0 | 103.7 | 102.9 | 104.8 | 105.5 | | | | | |
| HACT 8.91 GH/M3 | 2000 | 96.8 | 98.8 | 98.8 | 100.2 | 101.8 | 102.1 | 102.5 | 102.0 | 102.0 | 103.1 | 103.3 | 101.6 | 103.3 | 103.9 | | | | | |
| (.00891 KG/M3) | 2500 | 95.0 | 97.1 | 97.3 | 98.6 | 99.9 | 99.6 | 100.2 | 101.0 | 101.1 | 101.3 | 101.5 | 100.2 | 101.0 | 102.6 | | | | | |
| FREQ. SHIFT | 3150 | 92.6 | 95.5 | 96.0 | 97.1 | 97.9 | 97.9 | 98.6 | 99.6 | 99.1 | 100.1 | 99.8 | 98.2 | 100.1 | 100.3 | | | | | |
| JET 9 | 4000 | 90.1 | 92.9 | 93.2 | 94.9 | 95.0 | 95.6 | 96.6 | 97.6 | 96.5 | 97.9 | 98.3 | 95.9 | 98.2 | 97.6 | | | | | |
| DIAMETER RATIO | 5000 | 88.5 | 90.7 | 91.2 | 93.0 | 93.3 | 93.1 | 93.8 | 94.7 | 94.5 | 95.1 | 95.8 | 92.7 | 95.7 | 96.7 | | | | | |
| DF/DM 8.00 | 6300 | 85.8 | 88.5 | 88.5 | 90.1 | 89.5 | 90.5 | 90.6 | 92.0 | 91.3 | 92.7 | 94.2 | 90.6 | 94.2 | 94.3 | | | | | |
| OVERALL CALCULATED | 8000 | 82.7 | 85.9 | 85.8 | 87.0 | 87.3 | 87.3 | 87.8 | 89.4 | 89.6 | 91.7 | 92.0 | 89.2 | 92.7 | 92.8 | | | | | |
| PND8 | 10000 | 79.7 | 82.3 | 82.9 | 84.1 | 84.1 | 85.0 | 85.3 | 86.8 | 86.7 | 91.9 | 91.0 | 90.2 | 91.7 | 91.7 | | | | | |
| | | 114.5 | 116.9 | 113.2 | 112.3 | 113.8 | 113.3 | 113.9 | 113.9 | 114.3 | 116.4 | 117.5 | 118.4 | 119.6 | 120.8 | | | | | |
| | | 123.3 | 125.6 | 122.8 | 122.8 | 123.9 | 123.9 | 124.4 | 125.1 | 125.2 | 126.6 | 127.2 | 126.9 | 128.9 | 130.0 | | | | | |

176.7

1110

Model 8

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY) | | | | | | | | | | | | | | | | | |
|------------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|-----|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | |
| REV. ALPHA 12/73 FREQ. | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | |
| NO EGA | | 50 | 62.1 | 62.6 | 64.8 | 67.7 | 69.9 | 70.4 | 72.4 | 74.3 | 75.3 | 78.4 | 78.0 | 83.4 | 83.1 | 79.3 | | | |
| SIDELINE 2400. FT. | | 63 | 65.1 | 66.7 | 69.0 | 69.0 | 71.2 | 72.5 | 74.3 | 75.6 | 76.7 | 78.7 | 79.9 | 85.7 | 83.4 | 77.9 | | | |
| (731.52 M) | | 80 | 65.5 | 69.2 | 70.8 | 70.9 | 72.9 | 72.9 | 76.1 | 76.5 | 78.1 | 79.4 | 82.3 | 85.1 | 83.6 | 78.7 | | | |
| NFA | | 100 | 65.1 | 68.9 | 70.9 | 72.7 | 73.9 | 74.6 | 76.4 | 78.7 | 79.4 | 82.2 | 83.5 | 83.2 | 80.1 | 79.2 | | | |
| 0. RPM | | 125 | 67.3 | 69.5 | 72.0 | 72.8 | 74.9 | 76.0 | 78.1 | 79.1 | 80.5 | 83.4 | 84.4 | 83.2 | 78.6 | 74.9 | | | |
| (0, RAD/SEC) | | 160 | 68.0 | 70.6 | 72.5 | 74.3 | 75.5 | 76.9 | 78.8 | 80.1 | 81.2 | 83.4 | 85.7 | 83.2 | 77.9 | 72.9 | | | |
| NFK | | 200 | 67.1 | 72.3 | 73.4 | 74.9 | 77.0 | 78.4 | 80.3 | 81.6 | 82.3 | 84.4 | 84.8 | 83.2 | 78.2 | 71.6 | | | |
| (0, RAD/SEC) | | 250 | 68.9 | 72.7 | 72.9 | 76.4 | 78.0 | 78.4 | 79.7 | 81.6 | 82.1 | 85.2 | 85.0 | 83.4 | 78.1 | 72.0 | | | |
| NFD | | 315 | 68.7 | 73.4 | 74.7 | 75.6 | 77.0 | 78.1 | 80.0 | 82.0 | 83.0 | 84.9 | 84.1 | 82.5 | 77.3 | 71.4 | | | |
| (0, RAD/SEC) | | 400 | 78.3 | 83.7 | 80.4 | 77.4 | 81.1 | 80.6 | 80.4 | 82.4 | 83.3 | 85.8 | 85.3 | 84.2 | 82.6 | 80.0 | | | |
| AIRFLOW RATIO | | 500 | 85.7 | 91.1 | 86.9 | 82.0 | 87.0 | 83.7 | 83.6 | 84.0 | 84.6 | 85.9 | 85.9 | 87.0 | 88.0 | 85.6 | | | |
| WF/WM 8.00 | | 630 | 72.9 | 79.1 | 80.8 | 81.2 | 80.8 | 80.3 | 80.2 | 82.0 | 83.3 | 84.6 | 83.1 | 81.0 | 77.2 | 71.0 | | | |
| | | 800 | 71.0 | 77.5 | 80.2 | 83.5 | 84.8 | 84.5 | 83.7 | 81.8 | 81.9 | 83.3 | 82.3 | 79.4 | 76.9 | 71.0 | | | |
| VEHICLE JENOTS | | 1000 | 72.9 | 77.2 | 77.9 | 80.9 | 84.2 | 85.9 | 87.7 | 84.2 | 81.7 | 82.1 | 81.0 | 78.1 | 77.8 | 73.7 | | | |
| CONFIG JE-053 | | 1250 | 68.0 | 73.3 | 76.2 | 78.7 | 81.3 | 81.6 | 81.9 | 82.5 | 81.5 | 80.9 | 79.4 | 76.1 | 73.4 | 67.3 | | | |
| LOC EVENDALE | | 1600 | 64.1 | 70.9 | 73.9 | 76.6 | 79.2 | 79.9 | 80.1 | 80.5 | 79.3 | 79.4 | 77.1 | 73.4 | 70.6 | 62.6 | | | |
| DATE 04-07-75 | | 2000 | 59.7 | 67.1 | 70.5 | 74.0 | 77.0 | 78.0 | 78.6 | 77.9 | 77.2 | 76.9 | 74.9 | 69.9 | 66.2 | 56.8 | | | |
| RUN DBTF= R=320 | | 2500 | 53.7 | 62.2 | 66.3 | 70.1 | 73.0 | 73.5 | 74.4 | 74.9 | 74.2 | 72.8 | 70.5 | 65.3 | 59.7 | 49.2 | | | |
| TAPE X80360 | | 3150 | 44.5 | 55.5 | 60.8 | 65.0 | 67.6 | 68.7 | 69.7 | 70.3 | 68.8 | 67.9 | 64.6 | 58.2 | 52.0 | 36.8 | | | |
| FAN TIP SPEED | | 4000 | 32.0 | 45.2 | 51.7 | 57.3 | 59.7 | 61.6 | 63.1 | 63.6 | 61.2 | 60.2 | 56.8 | 48.2 | 40.1 | 19.1 | | | |
| FT/SEC | | 5000 | 24.5 | 38.5 | 45.9 | 52.1 | 55.0 | 56.3 | 57.5 | 57.9 | 56.3 | 54.2 | 50.6 | 40.5 | 31.7 | 9.3 | | | |
| | | 6300 | 4.6 | 23.2 | 32.5 | 39.8 | 42.7 | 45.7 | 46.3 | 47.1 | 44.5 | 42.4 | 38.1 | 25.3 | 13.0 | | | | |
| | | 8000 | | 0.5 | 13.2 | 22.3 | 27.4 | 30.0 | 31.3 | 32.0 | 29.6 | 27.0 | 19.4 | 3.9 | | | | | |
| | | 10000 | | | | 5.9 | 10.3 | 11.7 | 12.0 | | 8.4 | 7.1 | | | | | | | |
| OVERALL CALCULATED | | | 87.3 | 92.7 | 90.4 | 90.2 | 92.6 | 92.6 | 93.4 | 93.5 | 93.7 | 95.4 | 95.4 | 95.1 | 93.2 | 89.6 | | | |
| PNDB | | | 93.2 | 98.9 | 97.5 | 97.3 | 100.1 | 100.0 | 101.2 | 101.1 | 100.6 | 101.5 | 101.0 | 100.1 | 98.6 | 94.4 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| REV. ALPHA 12/73 | FREQ. | 50 | 87.7 | 85.5 | 86.3 | 87.9 | 89.9 | 89.7 | 91.6 | 93.6 | 95.8 | 99.1 | 100.5 | 106.8 | 109.7 | 107.6 | | | 159.7 |
| | NO EGA | 63 | 90.6 | 89.8 | 90.6 | 89.5 | 90.5 | 91.9 | 93.0 | 95.5 | 96.9 | 98.7 | 102.2 | 107.6 | 108.8 | 106.6 | | | 159.7 |
| RDG. NO. 0. | 80 | 90.8 | 91.5 | 91.5 | 90.2 | 91.7 | 91.8 | 94.1 | 96.1 | 98.4 | 100.7 | 105.0 | 108.1 | 109.7 | 108.3 | | | | 160.9 |
| RADIAL 320. FT. | 100 | 90.2 | 91.2 | 91.4 | 92.3 | 93.3 | 93.9 | 94.9 | 97.6 | 99.5 | 102.8 | 106.0 | 106.5 | 106.2 | 107.7 | | | | 160.3 |
| (98. H) | 125 | 92.3 | 91.4 | 92.3 | 91.9 | 93.3 | 95.2 | 96.7 | 98.1 | 100.4 | 104.6 | 106.7 | 105.4 | 104.6 | 103.7 | | | | 160.2 |
| VEHICLE JENOTS | 160 | 92.0 | 92.7 | 93.1 | 93.8 | 94.7 | 95.7 | 97.2 | 99.0 | 100.4 | 105.2 | 107.6 | 106.3 | 103.4 | 102.5 | | | | 160.6 |
| CONFIG JE-053 | 200 | 91.8 | 94.0 | 93.7 | 93.5 | 95.9 | 96.3 | 98.6 | 99.8 | 101.9 | 105.0 | 106.9 | 105.8 | 103.7 | 102.5 | | | | 160.7 |
| LOC EVENDALE | 250 | 93.9 | 93.2 | 92.6 | 95.5 | 96.3 | 97.7 | 98.1 | 100.2 | 102.3 | 106.0 | 106.7 | 106.3 | 105.4 | 104.4 | | | | 161.3 |
| DATE 04-04-75 | 315 | 94.4 | 94.7 | 94.9 | 94.3 | 95.5 | 96.8 | 98.3 | 100.5 | 103.2 | 107.0 | 106.6 | 106.8 | 106.3 | 106.1 | | | | 161.9 |
| RUN DBTF- R-436 | 400 | 95.0 | 94.9 | 95.0 | 95.4 | 96.3 | 97.3 | 98.5 | 101.1 | 103.3 | 106.6 | 107.1 | 107.1 | 108.0 | 107.6 | | | | 162.4 |
| TAPE X80370 | 500 | 94.2 | 94.3 | 94.5 | 95.4 | 96.5 | 97.6 | 98.4 | 101.3 | 104.6 | 106.5 | 107.1 | 107.9 | 109.4 | 107.8 | | | | 162.9 |
| BAR 29.9 HG | 630 | 94.6 | 94.6 | 94.2 | 94.9 | 96.4 | 96.9 | 99.1 | 101.9 | 104.7 | 106.8 | 107.8 | 109.5 | 109.9 | 106.4 | | | | 163.5 |
| (01039, N/M2) | 800 | 95.8 | 96.9 | 95.8 | 95.7 | 96.4 | 98.3 | 99.4 | 101.9 | 104.6 | 106.7 | 107.4 | 110.0 | 109.6 | 104.9 | | | | 163.5 |
| TAMB 59. DEG F | 1000 | 96.8 | 98.1 | 97.6 | 97.1 | 97.6 | 98.4 | 99.6 | 102.3 | 104.1 | 106.2 | 108.2 | 109.3 | 108.0 | 105.0 | | | | 163.4 |
| (288, DEG K) | 1250 | 96.2 | 97.4 | 98.2 | 98.7 | 99.4 | 98.6 | 98.9 | 102.2 | 104.1 | 105.9 | 107.8 | 107.2 | 107.1 | 103.7 | | | | 162.9 |
| TWET 53. DEG F | 1600 | 93.2 | 94.8 | 95.9 | 98.4 | 99.7 | 99.2 | 99.8 | 101.4 | 103.1 | 104.9 | 107.1 | 107.0 | 106.5 | 102.4 | | | | 162.5 |
| (285, DEG K) | 2000 | 91.3 | 93.6 | 93.6 | 95.2 | 97.9 | 99.1 | 99.8 | 101.8 | 102.5 | 103.9 | 105.6 | 105.1 | 104.4 | 100.5 | | | | 161.5 |
| HACT 8.91 GM/M3 | 2500 | 89.5 | 91.8 | 92.0 | 93.6 | 95.1 | 96.3 | 97.9 | 99.9 | 101.3 | 102.5 | 104.4 | 103.7 | 103.0 | 98.0 | | | | 160.2 |
| (.00891 KG/M3) | 3150 | 87.5 | 90.2 | 90.9 | 92.5 | 93.5 | 94.5 | 95.9 | 98.0 | 99.5 | 100.5 | 102.5 | 101.4 | 101.0 | 97.2 | | | | 158.8 |
| FREQ. SHIFT | 4000 | 84.1 | 86.4 | 87.2 | 89.1 | 89.9 | 91.7 | 93.8 | 96.2 | 96.6 | 98.3 | 101.0 | 99.4 | 99.2 | 94.8 | | | | 157.4 |
| JET 9 | 5000 | 82.0 | 84.5 | 85.5 | 87.5 | 87.8 | 88.9 | 90.6 | 93.2 | 94.3 | 95.6 | 98.6 | 96.5 | 96.4 | 93.9 | | | | 155.2 |
| DIAMETER RATIO | 6300 | 79.2 | 81.1 | 82.4 | 84.9 | 84.1 | 85.9 | 87.7 | 90.8 | 91.9 | 93.3 | 98.0 | 95.7 | 95.6 | 94.9 | | | | 155.0 |
| DF/DH 8.00 | 8000 | 76.4 | 78.8 | 79.2 | 81.4 | 81.2 | 82.5 | 83.5 | 89.5 | 90.0 | 92.4 | 97.7 | 95.9 | 95.6 | 96.4 | | | | 156.4 |
| | 10000 | 75.7 | 77.3 | 77.1 | 79.1 | 79.1 | 80.5 | 81.0 | 90.0 | 88.9 | 92.9 | 98.9 | 97.2 | 96.9 | 98.1 | | | | 159.9 |
| OVERALL CALCULATED | | 106.1 | 106.9 | 107.0 | 107.7 | 108.9 | 109.6 | 110.8 | 113.1 | 115.2 | 117.7 | 119.4 | 120.0 | 120.2 | 118.2 | | | | 174.8 |
| PND8 | | 115.3 | 116.8 | 117.1 | 118.6 | 119.8 | 120.8 | 121.9 | 124.3 | 125.8 | 127.8 | 129.8 | 129.5 | 129.2 | 126.3 | | | | 176.1 |

1112

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV, ALPHA 12/73 | FREQ | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 63.8 | 63.9 | 66.3 | 69.0 | 71.7 | 71.9 | 73.9 | 75.8 | 77.6 | 80.1 | 80.5 | 85.2 | 85.9 | 80.3 | | | |
| SIDELINE 2400. FT | 80 | 66.8 | 69.7 | 71.3 | 71.2 | 73.4 | 73.9 | 76.4 | 78.2 | 80.1 | 81.7 | 84.8 | 86.3 | 85.6 | 80.7 | | | |
| (731.52 M) | 100 | 66.0 | 69.3 | 71.2 | 73.2 | 74.9 | 75.6 | 77.1 | 79.7 | 81.2 | 83.7 | 85.7 | 84.7 | 82.0 | 79.9 | | | |
| NFA 0. RPM | 125 | 68.0 | 69.4 | 72.0 | 72.7 | 74.8 | 77.2 | 78.8 | 80.1 | 82.0 | 85.4 | 86.4 | 83.5 | 80.3 | 75.7 | | | |
| (0. RAD/SEC) | 160 | 67.5 | 70.6 | 72.7 | 74.5 | 76.2 | 77.6 | 79.2 | 80.8 | 81.9 | 85.8 | 87.1 | 84.1 | 78.9 | 74.1 | | | |
| NFK 0. RPM | 200 | 67.0 | 71.7 | 73.1 | 74.1 | 77.2 | 78.0 | 80.5 | 81.5 | 83.2 | 85.6 | 86.3 | 83.4 | 78.9 | 73.8 | | | |
| (0. RAD/SEC) | 250 | 68.8 | 70.6 | 71.8 | 75.9 | 77.5 | 79.3 | 79.9 | 81.8 | 83.5 | 86.3 | 85.9 | 83.8 | 80.3 | 75.1 | | | |
| NFD 0. RPM | 315 | 68.9 | 71.8 | 73.8 | 74.5 | 76.4 | 78.2 | 79.9 | 81.9 | 84.1 | 87.1 | 85.5 | 83.9 | 80.7 | 76.3 | | | |
| (0. RAD/SEC) | 400 | 68.9 | 71.9 | 73.5 | 75.2 | 77.0 | 78.4 | 79.8 | 82.2 | 83.9 | 86.4 | 85.7 | 83.8 | 81.9 | 76.9 | | | |
| AIRFLOW RATIO | 500 | 67.5 | 70.4 | 72.7 | 74.9 | 76.8 | 78.5 | 79.4 | 82.1 | 85.0 | 85.9 | 85.3 | 84.1 | 82.6 | 76.2 | | | |
| WF/HM 8.00 | 630 | 67.0 | 70.2 | 71.8 | 74.0 | 76.3 | 77.4 | 79.7 | 82.3 | 84.6 | 85.9 | 85.4 | 85.0 | 82.2 | 73.5 | | | |
| | 800 | 67.0 | 71.5 | 72.7 | 74.0 | 75.8 | 78.1 | 79.5 | 81.8 | 83.9 | 85.1 | 84.3 | 84.7 | 80.9 | 70.2 | | | |
| VEHICLE JENOTS | 1000 | 66.7 | 71.7 | 73.7 | 74.7 | 76.3 | 77.7 | 79.0 | 81.5 | 82.8 | 83.9 | 84.3 | 82.9 | 77.9 | 68.3 | | | |
| CONFIG JE-053 | 1250 | 64.4 | 69.7 | 73.1 | 75.4 | 77.2 | 77.0 | 77.6 | 80.7 | 81.9 | 82.6 | 82.8 | 79.5 | 75.3 | 64.5 | | | |
| LOC EVENDALE | 1600 | 59.8 | 65.3 | 69.4 | 73.8 | 76.4 | 76.5 | 77.3 | 78.7 | 79.7 | 80.3 | 80.5 | 77.5 | 72.3 | 59.6 | | | |
| DATE 04-04-75 | 2000 | 24.2 | 61.9 | 65.3 | 69.0 | 73.1 | 75.1 | 75.9 | 77.8 | 77.7 | 77.7 | 77.2 | 73.4 | 67.3 | 53.3 | | | |
| RUN DBTF- R. 436 | 2500 | 48.2 | 56.9 | 61.0 | 65.1 | 68.2 | 70.2 | 72.1 | 73.9 | 74.4 | 74.0 | 73.5 | 68.8 | 61.7 | 44.6 | | | |
| TAPE X80370 | 3150 | 39.4 | 50.2 | 55.7 | 60.4 | 63.3 | 65.3 | 67.1 | 68.7 | 69.2 | 68.3 | 67.3 | 61.3 | 52.9 | 33.7 | | | |
| FAN TIP SPEED | 4000 | 25.9 | 38.7 | 45.6 | 51.4 | 54.6 | 57.7 | 60.2 | 62.3 | 61.3 | 60.7 | 59.5 | 51.6 | 41.0 | 16.2 | | | |
| FT/SEC | 5000 | 38.0 | 32.3 | 40.2 | 46.6 | 49.6 | 52.1 | 54.3 | 56.5 | 56.1 | 54.7 | 53.4 | 44.3 | 32.4 | 6.6 | | | |
| | 6300 | | 15.6 | 26.3 | 34.6 | 37.3 | 41.0 | 43.4 | 46.0 | 45.1 | 42.9 | 42.0 | 30.4 | 14.4 | | | | |
| | 8000 | | | 6.6 | 16.7 | 21.3 | 25.1 | 26.9 | 32.2 | 30.0 | 27.7 | 25.1 | 10.5 | | | | | |
| | 10000 | | | | | 0.8 | 5.7 | 7.4 | 15.2 | 10.6 | 8.0 | 3.3 | | | | | | |
| OVERALL CALCULATED | | 79.0 | 82.3 | 84.3 | 86.1 | 88.2 | 89.5 | 90.9 | 93.0 | 94.8 | 96.8 | 97.0 | 96.1 | 93.9 | 88.5 | | | |
| FNDB | | 83.2 | 87.3 | 90.2 | 93.4 | 95.9 | 97.1 | 98.4 | 100.4 | 101.4 | 102.6 | 102.6 | 100.8 | 97.5 | 90.3 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT RCL, NO. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| | 50 | 87.4 | 85.7 | 86.6 | 87.9 | 89.7 | 89.7 | 91.3 | 83.6 | 95.6 | 99.1 | 100.5 | 107.0 | 109.2 | 108.6 | | | | 159.7 |
| NO EGA | 63 | 91.3 | 90.3 | 90.8 | 89.5 | 90.5 | 92.1 | 93.0 | 85.0 | 96.7 | 99.2 | 101.7 | 109.1 | 110.8 | 107.6 | | | | 160.9 |
| RDG, NO, 0. | 80 | 93.1 | 91.7 | 91.7 | 90.7 | 91.7 | 92.0 | 93.6 | 85.9 | 97.4 | 100.0 | 104.5 | 109.3 | 110.7 | 110.1 | | | | 161.6 |
| RADIAL 320. FT. | 100 | 92.2 | 91.9 | 92.1 | 92.3 | 93.3 | 93.5 | 94.4 | 87.4 | 99.3 | 102.3 | 105.2 | 107.0 | 107.0 | 110.5 | | | | 160.7 |
| (98. M) | 125 | 93.6 | 91.6 | 93.3 | 92.4 | 93.3 | 94.7 | 96.2 | 87.4 | 99.9 | 103.1 | 105.7 | 106.7 | 105.9 | 106.2 | | | | 160.3 |
| VEHICLE JENOTS | 160 | 93.3 | 92.5 | 92.9 | 93.3 | 94.0 | 95.5 | 97.7 | 88.0 | 100.0 | 103.7 | 107.1 | 106.5 | 104.5 | 103.7 | | | | 160.2 |
| CONFIG JE-053 | 200 | 92.1 | 94.0 | 93.2 | 93.8 | 95.1 | 95.8 | 97.3 | 89.0 | 100.4 | 103.6 | 106.1 | 105.8 | 103.9 | 102.8 | | | | 159.8 |
| LOC EVEN DALE | 250 | 93.9 | 94.9 | 92.9 | 95.2 | 96.3 | 96.7 | 97.6 | 88.9 | 100.8 | 104.0 | 106.0 | 106.4 | 104.2 | 103.6 | | | | 160.2 |
| DATE 04-04-75 | 315 | 93.9 | 95.2 | 94.6 | 94.1 | 95.5 | 96.1 | 97.6 | 89.3 | 101.9 | 104.7 | 105.6 | 105.6 | 104.6 | 104.1 | | | | 160.2 |
| RUN DBTF- R-436 | 400 | 94.5 | 96.1 | 95.3 | 95.4 | 96.6 | 97.1 | 98.0 | 89.9 | 101.3 | 104.6 | 106.2 | 105.9 | 106.1 | 106.4 | | | | 160.8 |
| TAPE X80380 | 500 | 104.0 | 109.8 | 100.5 | 102.2 | 102.7 | 99.9 | 99.7 | 91.0 | 103.4 | 105.5 | 106.9 | 108.7 | 113.2 | 115.6 | | | | 166.0 |
| BAR 29.9 HG | 630 | 103.1 | 108.4 | 101.8 | 100.7 | 100.9 | 98.7 | 99.7 | 91.4 | 103.2 | 105.4 | 106.1 | 107.5 | 111.9 | 114.5 | | | | 165.0 |
| (01039, N/H2) | 800 | 99.8 | 105.4 | 104.1 | 103.2 | 101.7 | 98.8 | 98.2 | 90.2 | 102.1 | 104.8 | 105.5 | 106.0 | 107.7 | 106.9 | | | | 162.8 |
| TAMB 59. DEG F | 1000 | 98.6 | 104.2 | 103.4 | 105.2 | 106.4 | 103.7 | 100.4 | 90.6 | 101.9 | 104.2 | 104.8 | 105.6 | 109.3 | 110.3 | | | | 164.1 |
| (288, DEG K) | 1250 | 97.5 | 103.2 | 100.2 | 102.5 | 104.7 | 104.7 | 102.5 | 91.3 | 101.7 | 103.9 | 104.2 | 105.5 | 108.5 | 110.6 | | | | 163.8 |
| THET 53. DEG F | 1600 | 95.8 | 100.6 | 100.2 | 100.7 | 101.8 | 101.6 | 102.4 | 91.5 | 100.9 | 102.8 | 103.2 | 104.4 | 107.3 | 108.2 | | | | 162.2 |
| (285, DEG K) | 2000 | 92.5 | 98.3 | 98.1 | 99.4 | 101.5 | 100.1 | 99.9 | 90.7 | 101.5 | 102.1 | 102.0 | 103.1 | 105.1 | 106.7 | | | | 161.1 |
| HACT 8.91 GM/H3 | 2500 | 90.5 | 96.5 | 96.0 | 97.3 | 98.8 | 98.5 | 98.3 | 88.4 | 100.2 | 100.5 | 100.9 | 100.9 | 104.0 | 104.8 | | | | 159.7 |
| (100891 KG/H3) | 3150 | 87.9 | 94.3 | 94.1 | 95.2 | 96.7 | 96.2 | 96.6 | 86.9 | 98.1 | 99.2 | 98.9 | 99.0 | 101.9 | 102.3 | | | | 158.2 |
| FREQ. SHIFT | 4000 | 84.2 | 91.0 | 90.5 | 92.0 | 93.1 | 94.4 | 94.4 | 85.1 | 95.3 | 96.7 | 96.6 | 96.5 | 99.8 | 99.7 | | | | 156.3 |
| JET 9 | 5000 | 82.1 | 88.8 | 88.8 | 89.9 | 90.7 | 91.0 | 90.7 | 82.3 | 92.7 | 93.8 | 94.5 | 93.6 | 97.6 | 98.3 | | | | 154.3 |
| DIAMETER RATIO | 6300 | 79.1 | 86.3 | 85.5 | 87.3 | 87.5 | 87.8 | 88.3 | 80.5 | 90.3 | 91.4 | 92.4 | 91.6 | 95.5 | 96.8 | | | | 153.2 |
| DF/DH 8.00 | 8000 | 76.8 | 83.3 | 82.9 | 84.6 | 84.4 | 85.2 | 85.1 | 79.5 | 88.9 | 90.6 | 90.6 | 89.6 | 94.5 | 95.4 | | | | 153.4 |
| | 10000 | 75.4 | 80.3 | 79.3 | 81.6 | 81.8 | 82.9 | 82.2 | 79.7 | 87.8 | 92.6 | 90.4 | 89.9 | 93.9 | 94.1 | | | | 155.6 |
| OVERALL CALCULATED | | 109.8 | 114.7 | 111.1 | 111.8 | 112.8 | 111.7 | 111.4 | 102.3 | 113.7 | 116.1 | 117.7 | 119.2 | 121.1 | 122.1 | | | | 174.9 |
| PNDP | | 118.2 | 123.1 | 120.7 | 121.7 | 123.1 | 122.4 | 122.5 | 113.3 | 124.5 | 126.0 | 126.8 | 127.5 | 129.8 | 130.9 | | | | 176.2 |

1114

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 63.6 | 64.1 | 66.5 | 69.0 | 71.4 | 71.9 | 73.7 | 65.8 | 77.3 | 80.1 | 80.5 | 85.4 | 85.4 | 81.3 | | | |
| SIDELINE 2400' FT. | 83 | 67.4 | 68.7 | 70.7 | 70.5 | 72.2 | 74.3 | 75.3 | 67.1 | 78.4 | 80.2 | 81.6 | 87.5 | 86.9 | 80.1 | | | |
| (731.52 M) | 80 | 69.0 | 70.0 | 71.6 | 71.7 | 73.4 | 74.1 | 75.9 | 68.0 | 79.1 | 80.9 | 84.3 | 87.6 | 86.6 | 82.5 | | | |
| NFA 0. RPM | 100 | 68.0 | 70.1 | 71.9 | 73.2 | 74.9 | 75.6 | 76.6 | 69.4 | 80.9 | 83.2 | 85.0 | 85.2 | 82.8 | 82.7 | | | |
| (0. RAD/SEC) | 125 | 69.2 | 69.7 | 73.0 | 73.2 | 74.8 | 76.7 | 78.3 | 69.3 | 81.5 | 83.9 | 85.4 | 84.7 | 81.5 | 78.2 | | | |
| NFK 0. RPM | 160 | 68.7 | 70.3 | 72.4 | 74.0 | 75.4 | 77.3 | 79.7 | 69.8 | 81.4 | 84.3 | 86.7 | 84.4 | 79.9 | 75.4 | | | |
| (0. RAD/SEC) | 200 | 67.3 | 71.7 | 72.6 | 74.3 | 76.4 | 77.6 | 79.2 | 70.8 | 81.7 | 84.1 | 85.5 | 83.4 | 79.1 | 74.0 | | | |
| NFD 0. RPM | 250 | 68.8 | 72.3 | 72.0 | 75.6 | 77.5 | 78.3 | 79.4 | 70.5 | 82.0 | 84.3 | 85.2 | 83.8 | 79.1 | 74.4 | | | |
| (0. RAD/SEC) | 315 | 68.4 | 72.3 | 73.6 | 74.2 | 76.4 | 77.5 | 79.1 | 70.7 | 82.9 | 84.9 | 84.6 | 82.7 | 79.0 | 74.3 | | | |
| AIRFLOW RATIO | 400 | 68.4 | 72.8 | 73.8 | 75.3 | 77.2 | 78.2 | 79.3 | 71.0 | 82.0 | 84.4 | 84.7 | 82.5 | 79.0 | 75.7 | | | |
| WF/WH 8.00 | 500 | 77.3 | 86.0 | 78.7 | 81.6 | 83.0 | 80.7 | 80.7 | 71.9 | 83.7 | 85.0 | 85.1 | 84.8 | 86.4 | 83.9 | | | |
| VEHICLE JENOTS | 630 | 75.5 | 84.0 | 79.4 | 79.7 | 80.8 | 79.2 | 80.3 | 71.8 | 83.1 | 84.4 | 83.7 | 83.1 | 84.3 | 81.5 | | | |
| CONFIG JE-053 | 800 | 71.1 | 80.1 | 81.0 | 81.6 | 81.1 | 78.7 | 78.3 | 70.1 | 81.5 | 83.2 | 82.4 | 80.7 | 78.9 | 72.3 | | | |
| LOC EVENDALE | 1000 | 68.5 | 77.8 | 79.5 | 82.8 | 85.1 | 83.0 | 79.8 | 69.8 | 80.6 | 81.9 | 80.9 | 79.3 | 79.2 | 73.6 | | | |
| DATE 04-04-75 | 1250 | 65.7 | 75.6 | 75.2 | 79.3 | 82.6 | 83.1 | 81.2 | 69.8 | 79.5 | 80.7 | 79.2 | 77.9 | 76.7 | 71.4 | | | |
| RUN DBTF- R 436 | 1600 | 61.6 | 71.1 | 73.7 | 76.1 | 78.5 | 78.9 | 79.9 | 68.8 | 77.5 | 78.2 | 76.6 | 74.9 | 73.1 | 65.4 | | | |
| TAPE X80380 | 2000 | 55.4 | 66.6 | 69.7 | 73.2 | 76.7 | 76.0 | 76.1 | 66.6 | 76.6 | 75.9 | 73.7 | 71.4 | 67.0 | 59.5 | | | |
| FAN TIP SPEED | 2500 | 49.2 | 61.6 | 65.0 | 68.8 | 71.9 | 72.4 | 72.6 | 62.3 | 73.3 | 72.0 | 69.9 | 66.0 | 62.6 | 51.3 | | | |
| FT/SEC | 3150 | 39.8 | 54.3 | 58.9 | 63.0 | 66.4 | 67.0 | 67.7 | 57.6 | 67.8 | 67.0 | 63.7 | 59.0 | 53.8 | 38.9 | | | |
| OVERALL CALCULATED | 4000 | 26.0 | 43.3 | 49.0 | 54.3 | 57.8 | 60.4 | 60.9 | 51.1 | 60.0 | 59.0 | 55.1 | 48.8 | 41.6 | 21.1 | | | |
| PND8 | 5000 | 18.1 | 36.6 | 43.6 | 49.0 | 52.5 | 54.2 | 54.4 | 45.6 | 54.5 | 52.9 | 49.2 | 41.4 | 33.6 | 11.0 | | | |
| | 6300 | | 21.0 | 29.5 | 37.0 | 40.7 | 42.9 | 44.0 | 35.6 | 43.5 | 41.1 | 36.4 | 26.3 | 14.3 | | | | |
| | 8000 | | | 10.3 | 19.9 | 24.5 | 27.8 | 28.6 | 22.1 | 29.0 | 25.8 | 18.0 | 4.2 | | | | | |
| | 10000 | | | | | 3.5 | 8.2 | 8.6 | 5.0 | 9.6 | 7.7 | | | | | | | |
| | | 82.5 | 89.9 | 87.8 | 89.8 | 91.6 | 91.6 | 91.2 | 82.2 | 93.4 | 95.3 | 95.9 | 96.0 | 94.8 | 91.0 | | | |
| | | 88.0 | 96.0 | 94.4 | 96.6 | 98.9 | 98.9 | 99.3 | 89.3 | 100.0 | 101.0 | 100.8 | 100.0 | 99.1 | 95.0 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0, 0, 0, PHL | | |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|-------|--------------|--|-------|
| | | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | (0,) | (0,) | (0,) | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 90.9 | 88.5 | 89.1 | 90.4 | 90.7 | 91.5 | 94.1 | 94.6 | 97.6 | 101.6 | 103.3 | 109.3 | 112.0 | 109.1 | | | | 161.9 |
| | | 63 | 94.1 | 93.3 | 93.8 | 92.8 | 92.5 | 93.9 | 96.2 | 96.7 | 99.7 | 103.4 | 107.0 | 113.4 | 114.8 | 111.3 | | | | 165.0 |
| NO EGA | | 80 | 94.8 | 94.5 | 94.7 | 93.5 | 93.2 | 93.8 | 96.6 | 96.9 | 100.7 | 104.0 | 108.0 | 112.1 | 114.7 | 112.3 | | | | 164.9 |
| RDG. NO. 0. | | 100 | 95.2 | 94.4 | 95.4 | 95.3 | 94.8 | 95.5 | 97.4 | 99.1 | 101.8 | 106.8 | 109.2 | 111.0 | 112.5 | 113.5 | | | | 164.7 |
| RADIAL 320. FT. | | 125 | 96.1 | 94.6 | 96.3 | 95.9 | 95.3 | 96.7 | 99.2 | 99.6 | 103.2 | 107.6 | 109.5 | 108.7 | 110.6 | 109.7 | | | | 163.7 |
| (98. M) | | 160 | 96.3 | 95.5 | 96.1 | 95.8 | 95.8 | 97.2 | 99.4 | 100.0 | 103.2 | 107.7 | 110.4 | 109.5 | 109.2 | 108.7 | | | | 163.8 |
| VEHICLE JENQTS | | 200 | 96.1 | 96.5 | 96.2 | 96.3 | 96.4 | 98.5 | 100.6 | 100.8 | 104.4 | 108.1 | 108.9 | 109.3 | 109.4 | 108.5 | | | | 163.7 |
| CONFIG JE-053 | | 250 | 97.7 | 96.9 | 95.6 | 96.3 | 97.6 | 99.0 | 100.1 | 101.2 | 105.1 | 108.5 | 109.0 | 110.6 | 110.9 | 110.1 | | | | 164.6 |
| LOC EVENDALE | | 315 | 97.9 | 97.7 | 97.4 | 96.9 | 97.2 | 98.8 | 100.3 | 101.8 | 105.4 | 108.7 | 109.1 | 110.8 | 112.1 | 110.1 | | | | 165.0 |
| DATE 04-04-75 | | 400 | 98.5 | 98.4 | 97.8 | 97.7 | 97.3 | 99.1 | 100.3 | 102.1 | 105.5 | 108.8 | 110.2 | 112.8 | 113.3 | 110.4 | | | | 166.0 |
| RUN DBTF- R=320 | | 500 | 98.3 | 98.8 | 97.3 | 97.7 | 97.7 | 98.9 | 101.0 | 102.5 | 106.6 | 108.7 | 110.1 | 113.4 | 112.6 | 108.6 | | | | 166.0 |
| TAPE X80390 | | 630 | 99.6 | 101.4 | 99.0 | 98.5 | 97.9 | 99.2 | 101.4 | 103.4 | 107.5 | 109.4 | 111.3 | 115.0 | 112.4 | 108.0 | | | | 167.0 |
| BAR 29.9 Hg | | 800 | 100.3 | 102.4 | 101.1 | 99.9 | 98.5 | 100.0 | 101.2 | 102.7 | 106.6 | 108.7 | 111.2 | 112.5 | 109.9 | 105.7 | | | | 165.8 |
| (01039, N/M2) | | 1000 | 98.6 | 101.1 | 101.4 | 102.6 | 100.6 | 100.9 | 101.3 | 103.0 | 106.4 | 108.2 | 110.8 | 111.3 | 109.2 | 105.2 | | | | 165.5 |
| TAMB 59, DEG F | | 1250 | 97.2 | 99.4 | 100.2 | 102.0 | 102.7 | 102.3 | 101.7 | 103.0 | 106.8 | 108.1 | 110.1 | 110.7 | 108.9 | 104.5 | | | | 165.4 |
| (288, DEG K) | | 1600 | 95.4 | 98.4 | 98.5 | 99.5 | 100.4 | 102.1 | 102.7 | 102.5 | 105.5 | 107.6 | 109.5 | 109.2 | 107.9 | 103.5 | | | | 164.6 |
| TWET 53, DEG F | | 2000 | 94.0 | 97.1 | 97.3 | 98.4 | 99.0 | 100.1 | 101.9 | 102.7 | 105.0 | 106.6 | 108.5 | 108.3 | 106.9 | 101.4 | | | | 163.9 |
| (285, DEG K) | | 2500 | 92.4 | 95.2 | 95.7 | 97.2 | 97.5 | 98.4 | 99.8 | 101.3 | 103.4 | 104.7 | 107.1 | 106.4 | 104.9 | 100.0 | | | | 162.5 |
| HACT 8.91 GM/M3 | | 3150 | 90.0 | 93.7 | 94.0 | 95.9 | 95.1 | 96.6 | 98.5 | 99.5 | 102.0 | 102.8 | 105.0 | 103.9 | 103.5 | 98.2 | | | | 161.1 |
| (.00891 KG/M3) | | 4000 | 87.1 | 90.6 | 90.9 | 92.9 | 92.5 | 94.8 | 96.1 | 97.5 | 98.9 | 101.1 | 103.3 | 102.4 | 101.2 | 95.6 | | | | 159.8 |
| FREQ. SHIFT | | 5000 | 85.1 | 87.5 | 89.5 | 90.6 | 90.1 | 91.4 | 93.1 | 94.3 | 97.2 | 98.2 | 101.2 | 99.3 | 98.8 | 94.5 | | | | 157.7 |
| JET 9 | | 6300 | 81.8 | 85.5 | 85.8 | 87.8 | 87.0 | 88.5 | 91.1 | 92.3 | 94.0 | 96.9 | 100.2 | 99.1 | 97.7 | 94.6 | | | | 157.5 |
| DIAMETER RATIO | | 8000 | 79.6 | 81.8 | 83.0 | 84.7 | 83.5 | 84.7 | 89.0 | 90.5 | 92.5 | 96.6 | 98.4 | 97.6 | 97.3 | 95.2 | | | | 158.1 |
| DF/DH 8.00 | | 10000 | 78.3 | 78.4 | 79.4 | 81.2 | 80.2 | 82.0 | 87.8 | 90.3 | 89.7 | 98.5 | 99.0 | 99.0 | 98.3 | 97.0 | | | | 161.4 |
| OVERALL CALCULATED | | | 109.6 | 110.7 | 110.4 | 110.9 | 110.7 | 111.8 | 113.1 | 114.2 | 117.6 | 120.3 | 122.2 | 124.0 | 124.0 | 121.7 | | | | 177.8 |
| PNOB | | | 118.4 | 120.4 | 120.5 | 121.6 | 121.5 | 122.7 | 124.3 | 125.5 | 128.2 | 130.3 | 132.4 | 132.7 | 131.9 | 128.4 | | | | 179.1 |

Model 8

9111

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED TO 100 DB(A) (30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 0, 0, 0) | | | | | | | | | | | | | | | | |
|--------------------|-------------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| REV. ALPHA 12/73 | FREQ. | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0) | 0, (0) | 0, (0) |
| | 50 | 67.1 | 66.9 | 69.0 | 71.5 | 72.4 | 73.7 | 76.4 | 76.8 | 79.3 | 82.6 | 83.2 | 87.7 | 88.1 | 81.8 | | | |
| NO EGA | 63 | 70.1 | 71.7 | 73.7 | 73.8 | 74.2 | 76.0 | 78.5 | 78.9 | 81.4 | 84.5 | 86.9 | 91.7 | 90.9 | 83.9 | | | |
| SIDELINE 2400. FT. | 80 | 70.8 | 72.7 | 74.6 | 74.4 | 74.9 | 75.9 | 78.9 | 79.0 | 82.4 | 84.9 | 87.8 | 90.3 | 90.6 | 84.7 | | | |
| (731.52 M) | 100 | 71.0 | 72.6 | 75.2 | 76.2 | 76.4 | 77.6 | 79.6 | 81.2 | 83.4 | 87.7 | 89.0 | 89.2 | 88.3 | 85.7 | | | |
| NFA | 0, RPM | 125 | 71.7 | 72.7 | 76.0 | 76.7 | 76.8 | 78.7 | 81.3 | 81.6 | 84.7 | 88.4 | 89.2 | 86.7 | 86.3 | 81.7 | | |
| (| 0, RAD/SEC) | 160 | 71.7 | 73.3 | 75.7 | 76.5 | 77.2 | 79.1 | 81.5 | 81.8 | 84.6 | 88.3 | 89.9 | 87.4 | 84.6 | 80.4 | | |
| NFK | 0, RPM | 200 | 71.3 | 74.2 | 75.6 | 77.1 | 77.7 | 80.3 | 82.5 | 82.6 | 85.7 | 88.6 | 88.3 | 86.9 | 84.6 | 79.8 | | |
| (| 0, RAD/SEC) | 250 | 72.6 | 74.4 | 74.8 | 78.6 | 78.7 | 80.6 | 81.9 | 82.8 | 86.2 | 88.8 | 88.2 | 88.0 | 85.8 | 80.9 | | |
| NFD | 0, RPM | 315 | 72.4 | 74.8 | 76.3 | 77.0 | 78.2 | 80.2 | 81.9 | 83.2 | 86.4 | 88.9 | 88.1 | 87.9 | 86.5 | 80.3 | | |
| (| 0, RAD/SEC) | 400 | 72.4 | 75.1 | 76.3 | 77.5 | 78.0 | 80.2 | 81.6 | 83.2 | 86.2 | 88.7 | 88.7 | 89.5 | 87.2 | 79.7 | | |
| AIRFLOW RATIO | 500 | 71.5 | 75.0 | 75.5 | 77.1 | 78.1 | 79.7 | 82.0 | 83.4 | 87.0 | 88.2 | 88.3 | 89.6 | 85.9 | 76.9 | | | |
| WF/WH 8.00 | 630 | 72.0 | 76.9 | 76.6 | 77.5 | 77.8 | 79.6 | 82.0 | 83.8 | 87.4 | 88.4 | 89.0 | 90.5 | 84.8 | 75.0 | | | |
| | 800 | 71.6 | 77.1 | 78.0 | 78.3 | 77.8 | 79.9 | 81.3 | 82.6 | 86.0 | 87.1 | 88.1 | 87.2 | 81.1 | 71.0 | | | |
| VEHICLE | JENOTS | 1000 | 68.5 | 74.8 | 77.4 | 80.3 | 79.3 | 80.2 | 80.8 | 82.3 | 85.0 | 83.9 | 86.8 | 85.0 | 79.1 | 68.6 | | |
| CONFIG | JE-053 | 1250 | 65.4 | 71.7 | 75.1 | 78.7 | 80.5 | 80.8 | 80.3 | 81.4 | 84.7 | 84.8 | 85.1 | 83.0 | 77.1 | 65.3 | | |
| LOC | EVENDALE | 1600 | 61.2 | 68.9 | 72.0 | 74.9 | 77.0 | 79.5 | 80.2 | 79.8 | 82.1 | 83.0 | 82.9 | 79.7 | 73.7 | 60.7 | | |
| DATE | 04-04-75 | 2000 | 56.9 | 65.4 | 69.0 | 72.2 | 74.2 | 76.0 | 78.1 | 78.6 | 80.1 | 80.4 | 80.1 | 76.6 | 69.4 | 54.3 | | |
| RUN | DBTF= R=320 | 2500 | 51.1 | 60.3 | 64.7 | 68.7 | 70.6 | 72.4 | 74.0 | 75.3 | 76.5 | 76.2 | 76.1 | 71.5 | 63.6 | 46.5 | | |
| TAPE | X80390 | 3150 | 42.0 | 53.7 | 58.8 | 63.7 | 64.8 | 67.4 | 69.6 | 70.3 | 71.7 | 70.7 | 69.8 | 63.9 | 55.5 | 34.8 | | |
| FAN TIP SPEED | 4000 | 28.9 | 42.9 | 49.4 | 55.2 | 57.2 | 60.8 | 62.5 | 63.5 | 63.6 | 63.4 | 61.7 | 54.7 | 43.0 | 17.0 | | | |
| | 5000 | 21.1 | 35.3 | 44.3 | 49.7 | 51.9 | 54.7 | 56.8 | 57.5 | 58.9 | 57.3 | 55.9 | 47.1 | 34.8 | 7.2 | | | |
| | 6300 | 0.6 | 20.2 | 29.8 | 37.5 | 40.2 | 43.7 | 46.8 | 47.4 | 47.2 | 46.6 | 44.1 | 33.8 | 16.5 | | | | |
| | 8000 | | | 10.4 | 19.9 | 23.5 | 27.4 | 32.4 | 33.2 | 32.5 | 31.9 | 25.8 | 12.3 | | | | | |
| | 10000 | | | | | 1.9 | 7.3 | 14.2 | 15.6 | 11.4 | 13.6 | 3.3 | | | | | | |
| OVERALL CALCULATED | | 82.9 | 86.0 | 87.6 | 89.3 | 89.8 | 91.5 | 93.2 | 94.1 | 97.2 | 99.4 | 99.9 | 100.4 | 98.5 | 92.6 | | | |
| PND8 | | 86.9 | 91.6 | 93.5 | 95.9 | 97.2 | 99.3 | 100.7 | 101.5 | 103.8 | 105.1 | 105.4 | 105.1 | 101.5 | 93.6 | | | |

Model 8

ORIGINAL PAGE IS
OF FOUR QUARTERS

| PAGE 1 | FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | PROC. DATE - MONTH 4 DAY 29 HR: 19:9 | | | | | | | | | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA {59, DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS} | | | | | | |
|--------------------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------------------------|--------|--------|--|--------|-----|-----|-----|-------|--|--|--|--|--|--|--|-----|
| | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | PHL |
| REV. ALPHA 12/73 | FREQ. | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | | | | | | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | | | | | | | | |
| NO EGA | 50 | 92.9 | 89.2 | 89.1 | 90.7 | 90.7 | 91.7 | 94.3 | 94.8 | 98.1 | 102.3 | 103.8 | 109.5 | 113.7 | 109.9 | | | | 162.9 | | | | | | | | |
| RDG. NO. 0. | 63 | 95.3 | 93.3 | 93.6 | 92.5 | 92.2 | 93.6 | 96.5 | 97.0 | 99.7 | 102.9 | 106.2 | 112.4 | 112.6 | 111.6 | | | | 163.9 | | | | | | | | |
| RADIAL 320. FT. | 80 | 95.1 | 94.5 | 94.5 | 93.5 | 93.2 | 94.0 | 96.9 | 97.4 | 101.4 | 104.2 | 108.2 | 111.8 | 114.9 | 115.1 | | | | 165.5 | | | | | | | | |
| (98, M) | 100 | 95.5 | 94.2 | 94.9 | 94.8 | 94.5 | 95.5 | 97.7 | 98.9 | 101.8 | 106.5 | 109.0 | 110.8 | 111.7 | 112.2 | | | | 164.7 | | | | | | | | |
| VEHICLE JENOTS | 125 | 96.8 | 94.4 | 95.8 | 94.9 | 94.8 | 96.4 | 98.7 | 99.6 | 103.7 | 107.6 | 109.2 | 108.4 | 111.1 | 109.2 | | | | 163.7 | | | | | | | | |
| CONFIG JE-053 | 160 | 97.0 | 95.2 | 96.1 | 95.8 | 95.5 | 97.0 | 99.7 | 100.2 | 103.7 | 107.7 | 109.9 | 108.8 | 109.7 | 107.7 | | | | 163.6 | | | | | | | | |
| LOC EVENDALE | 200 | 95.6 | 96.5 | 96.2 | 96.3 | 96.1 | 98.3 | 100.8 | 100.8 | 104.6 | 107.8 | 108.1 | 107.5 | 109.2 | 107.3 | | | | 163.2 | | | | | | | | |
| DATE 04-04-75 | 250 | 97.4 | 96.4 | 95.6 | 97.8 | 97.3 | 99.0 | 100.4 | 101.4 | 105.6 | 107.7 | 108.5 | 109.6 | 110.7 | 108.6 | | | | 164.1 | | | | | | | | |
| RUN DBTF- R#320 | 315 | 97.9 | 97.7 | 97.9 | 96.6 | 96.5 | 98.8 | 100.1 | 101.6 | 106.2 | 108.0 | 108.1 | 110.1 | 111.8 | 108.1 | | | | 164.4 | | | | | | | | |
| TAPE X80400 | 400 | 98.0 | 97.9 | 97.3 | 97.4 | 97.1 | 99.1 | 100.8 | 101.9 | 106.3 | 108.3 | 108.9 | 111.8 | 113.3 | 108.6 | | | | 165.4 | | | | | | | | |
| BAR 29.9 HG | 500 | 97.3 | 97.0 | 96.6 | 96.7 | 97.0 | 99.2 | 101.2 | 102.3 | 106.6 | 108.5 | 109.4 | 112.9 | 112.4 | 107.1 | | | | 165.6 | | | | | | | | |
| (01039, N/42) | 630 | 96.9 | 96.9 | 96.7 | 97.2 | 96.9 | 98.5 | 101.4 | 102.7 | 107.5 | 108.9 | 110.1 | 113.0 | 111.6 | 105.5 | | | | 165.7 | | | | | | | | |
| TAHB 59, DEG F | 800 | 96.8 | 97.6 | 97.3 | 97.9 | 97.7 | 99.3 | 101.2 | 102.9 | 107.1 | 108.2 | 110.9 | 112.0 | 110.4 | 104.2 | | | | 165.4 | | | | | | | | |
| (288, DFG K) | 1000 | 96.8 | 98.4 | 98.1 | 98.4 | 98.1 | 99.7 | 101.1 | 102.8 | 106.6 | 107.7 | 110.8 | 110.1 | 109.5 | 103.2 | | | | 164.9 | | | | | | | | |
| TWET 53, DFG F | 1250 | 96.2 | 97.1 | 98.2 | 99.2 | 99.2 | 99.3 | 101.4 | 103.0 | 106.3 | 108.1 | 109.8 | 109.9 | 108.4 | 103.0 | | | | 164.7 | | | | | | | | |
| (285, DFG K) | 1600 | 94.1 | 95.2 | 96.5 | 98.2 | 98.7 | 99.4 | 101.9 | 102.5 | 105.5 | 107.3 | 109.2 | 108.4 | 107.4 | 101.0 | | | | 164.0 | | | | | | | | |
| HACT 8.91 GM/H3 | 2000 | 92.5 | 94.1 | 95.1 | 96.6 | 97.5 | 98.8 | 101.4 | 101.7 | 105.0 | 106.1 | 107.5 | 107.5 | 105.8 | 99.9 | | | | 163.1 | | | | | | | | |
| (.00891 KG/H3) | 2500 | 90.4 | 92.2 | 93.2 | 95.2 | 95.7 | 97.2 | 100.0 | 100.3 | 103.4 | 104.9 | 106.4 | 105.6 | 103.9 | 97.7 | | | | 161.9 | | | | | | | | |
| FREQ. SHIFT | 3150 | 88.8 | 91.5 | 92.2 | 93.4 | 93.4 | 94.9 | 98.0 | 99.3 | 101.5 | 103.1 | 104.8 | 103.2 | 102.9 | 96.0 | | | | 160.6 | | | | | | | | |
| JET 9 | 4000 | 85.3 | 87.9 | 88.9 | 90.9 | 90.7 | 93.0 | 95.6 | 97.0 | 98.7 | 101.1 | 103.0 | 100.9 | 100.2 | 93.8 | | | | 159.1 | | | | | | | | |
| DIAMETER RATIO | 5000 | 83.6 | 86.0 | 87.3 | 88.3 | 88.4 | 89.7 | 92.4 | 93.5 | 96.4 | 98.0 | 100.7 | 98.8 | 98.0 | 93.3 | | | | 157.0 | | | | | | | | |
| DF/DM 8.00 | 6300 | 80.8 | 82.8 | 83.8 | 85.8 | 85.2 | 86.3 | 90.1 | 91.5 | 94.5 | 96.7 | 99.2 | 97.4 | 96.7 | 93.3 | | | | 156.6 | | | | | | | | |
| | 8000 | 78.9 | 80.1 | 80.7 | 82.7 | 82.2 | 83.0 | 87.7 | 89.8 | 92.0 | 96.4 | 98.4 | 96.9 | 96.8 | 95.4 | | | | 157.7 | | | | | | | | |
| | 10000 | 77.8 | 77.6 | 77.7 | 79.2 | 78.9 | 80.8 | 87.6 | 89.5 | 89.7 | 98.2 | 99.0 | 97.8 | 98.0 | 97.5 | | | | 161.1 | | | | | | | | |
| OVERALL CALCULATED | | 108.7 | 108.7 | 108.9 | 109.3 | 109.3 | 110.8 | 113.0 | 114.0 | 117.8 | 120.0 | 121.7 | 123.1 | 123.8 | 121.2 | | | | 177.3 | | | | | | | | |
| PNDB | | 117.1 | 118.1 | 118.7 | 119.9 | 120.0 | 121.5 | 124.1 | 124.9 | 128.2 | 130.2 | 131.8 | 131.9 | 131.4 | 127.0 | | | | 1.3 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 178.6 | | | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 69.1 | 67.6 | 69.0 | 71.7 | 72.4 | 73.9 | 76.7 | 77.0 | 79.8 | 83.4 | 83.7 | 87.9 | 89.9 | 82.6 | | | |
| SIDELINE 2400. FT. | 63 | 71.4 | 71.7 | 73.5 | 73.5 | 74.0 | 75.8 | 78.8 | 79.1 | 81.4 | 84.0 | 86.1 | 90.7 | 88.6 | 84.1 | | | |
| (731.52 M) | 80 | 71.0 | 72.7 | 74.3 | 74.4 | 74.9 | 76.1 | 79.1 | 79.5 | 83.1 | 85.2 | 88.1 | 90.1 | 90.9 | 87.5 | | | |
| NFA 0. RPM | 100 | 71.3 | 72.3 | 74.7 | 75.7 | 76.1 | 77.6 | 79.9 | 80.9 | 83.4 | 87.4 | 88.7 | 88.9 | 87.5 | 84.4 | | | |
| (0. RAD/SEC) | 125 | 72.5 | 72.4 | 75.5 | 75.7 | 76.3 | 78.4 | 80.8 | 81.6 | 85.2 | 88.4 | 88.9 | 86.5 | 86.8 | 81.2 | | | |
| NFK 0. RPM | 160 | 72.5 | 73.1 | 75.7 | 76.5 | 76.9 | 78.8 | 81.7 | 82.1 | 85.1 | 88.3 | 89.4 | 86.6 | 85.1 | 79.4 | | | |
| (0. RAD/SEC) | 200 | 70.8 | 74.2 | 75.6 | 76.8 | 77.4 | 80.1 | 82.7 | 82.6 | 86.0 | 88.3 | 87.5 | 85.2 | 84.4 | 78.5 | | | |
| NFD 0. RPM | 250 | 72.3 | 73.9 | 74.8 | 78.1 | 78.5 | 80.6 | 82.1 | 83.0 | 86.7 | 88.1 | 87.7 | 87.0 | 85.6 | 79.4 | | | |
| (0. RAD/SEC) | 315 | 72.4 | 74.8 | 76.8 | 76.7 | 77.4 | 80.2 | 81.6 | 83.0 | 87.1 | 88.1 | 87.1 | 87.2 | 86.2 | 78.3 | | | |
| AIRFLOW RATIO | 400 | 71.9 | 74.6 | 75.8 | 77.3 | 77.7 | 80.2 | 82.1 | 83.0 | 87.0 | 88.2 | 87.5 | 88.5 | 87.2 | 77.9 | | | |
| WF/WM 8.00 | 500 | 70.5 | 73.2 | 74.7 | 76.1 | 77.3 | 80.0 | 82.2 | 83.1 | 87.0 | 88.0 | 87.5 | 89.1 | 85.6 | 75.4 | | | |
| | 630 | 69.3 | 72.4 | 74.4 | 76.2 | 76.8 | 78.9 | 82.0 | 83.1 | 87.1 | 87.9 | 87.7 | 88.5 | 84.0 | 72.5 | | | |
| VEHICLE JENOTS | 800 | 68.1 | 72.3 | 74.2 | 76.3 | 77.0 | 79.2 | 81.3 | 82.8 | 86.5 | 86.6 | 87.8 | 86.7 | 81.6 | 69.5 | | | |
| CONFIG JE-053 | 1000 | 66.7 | 72.0 | 74.2 | 76.0 | 76.8 | 78.9 | 80.5 | 82.0 | 85.3 | 85.4 | 86.8 | 83.7 | 79.4 | 66.6 | | | |
| LOC EVENDALE | 1250 | 64.4 | 69.5 | 73.1 | 75.9 | 77.0 | 77.8 | 80.1 | 81.4 | 84.2 | 84.8 | 84.8 | 82.3 | 76.6 | 63.8 | | | |
| DATE 04-04-75 | 1600 | 59.9 | 65.7 | 70.0 | 73.6 | 75.3 | 76.7 | 79.5 | 79.8 | 82.1 | 82.7 | 82.7 | 78.9 | 73.2 | 58.2 | | | |
| RUN DBTF= R=320 | 2000 | 55.4 | 62.4 | 66.7 | 70.4 | 72.7 | 74.7 | 77.6 | 77.6 | 80.1 | 79.9 | 79.1 | 75.8 | 68.7 | 52.8 | | | |
| TAPE X80400 | 2500 | 49.1 | 57.3 | 62.2 | 66.7 | 68.8 | 71.1 | 74.3 | 74.3 | 76.5 | 76.5 | 75.4 | 70.7 | 62.6 | 44.3 | | | |
| FAN TIP SPEED | 3150 | 40.7 | 51.5 | 57.0 | 61.2 | 63.1 | 65.6 | 69.1 | 70.0 | 71.2 | 70.9 | 69.6 | 63.2 | 54.5 | 32.5 | | | |
| FT/SEC | 4000 | 27.2 | 40.2 | 47.4 | 53.2 | 55.4 | 59.0 | 62.0 | 63.0 | 63.4 | 63.4 | 61.5 | 53.2 | 42.0 | 15.3 | | | |
| | 5000 | 19.6 | 33.8 | 42.0 | 47.4 | 50.2 | 52.9 | 56.1 | 56.8 | 58.2 | 57.1 | 55.4 | 46.6 | 34.0 | 5.9 | | | |
| | 6300 | | 17.5 | 27.8 | 35.5 | 38.4 | 41.4 | 45.8 | 46.6 | 47.7 | 46.4 | 43.1 | 32.1 | 15.5 | | | | |
| | 8000 | | | 8.1 | 17.9 | 22.3 | 25.6 | 31.2 | 32.4 | 32.0 | 31.6 | 25.8 | 11.5 | | | | | |
| | 10000 | | | | | 0.6 | 6.1 | 14.0 | 14.8 | 11.4 | 13.3 | 3.3 | | | | | | |
| OVERALL CALCULATED | | 82.6 | 84.6 | 86.6 | 88.1 | 88.8 | 90.9 | 93.2 | 94.0 | 97.5 | 99.1 | 99.4 | 99.6 | 98.3 | 92.7 | | | |
| PNOB | | 86.1 | 89.5 | 91.9 | 94.6 | 95.9 | 97.8 | 100.5 | 101.1 | 103.9 | 104.9 | 104.9 | 104.1 | 101.4 | 92.5 | | | |

1119

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0, 0, 0, PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|--------------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 93.4 | 91.0 | 91.3 | 92.7 | 92.7 | 94.0 | 96.1 | 96.8 | 100.1 | 105.3 | 107.0 | 112.0 | 115.7 | 112.1 | | | 165.2 | | |
| | | 63 | 96.1 | 96.1 | 96.6 | 94.8 | 94.7 | 95.9 | 98.5 | 99.5 | 102.7 | 105.7 | 109.7 | 116.4 | 117.6 | 114.8 | | | 167.9 | | |
| NO EGA | | 80 | 97.1 | 97.2 | 97.2 | 96.0 | 95.7 | 95.8 | 99.4 | 100.1 | 103.9 | 107.5 | 112.0 | 116.3 | 118.9 | 116.3 | | | 169.0 | | |
| RDG. NO. 0. | | 100 | 98.0 | 97.9 | 97.9 | 97.8 | 97.5 | 98.0 | 99.9 | 101.1 | 104.3 | 109.3 | 112.0 | 115.0 | 117.2 | 117.7 | | | 168.5 | | |
| RADIAL 320. FT. | | 125 | 99.6 | 97.6 | 98.5 | 97.9 | 97.5 | 99.4 | 101.4 | 102.6 | 105.9 | 110.4 | 112.5 | 112.9 | 116.4 | 115.2 | | | 167.8 | | |
| (98. M) | | 160 | 99.8 | 98.2 | 98.4 | 98.8 | 98.0 | 99.5 | 102.4 | 102.7 | 106.7 | 110.2 | 112.9 | 114.3 | 115.2 | 113.7 | | | 167.7 | | |
| VEHICLE JENOTS | | 200 | 99.6 | 99.3 | 99.2 | 99.5 | 98.9 | 100.8 | 102.8 | 103.3 | 107.4 | 110.3 | 111.9 | 113.0 | 114.7 | 113.3 | | | 167.3 | | |
| CONFIG JE-053 | | 250 | 100.9 | 99.4 | 98.4 | 101.0 | 100.3 | 101.5 | 102.9 | 103.9 | 107.8 | 111.0 | 112.3 | 115.1 | 116.2 | 113.9 | | | 168.4 | | |
| LOC EVENDALE | | 315 | 100.7 | 100.2 | 100.1 | 99.6 | 99.7 | 100.8 | 103.1 | 104.6 | 108.9 | 110.7 | 112.6 | 115.8 | 116.6 | 112.4 | | | 168.7 | | |
| DATE 04-04-75 | | 400 | 101.3 | 100.1 | 100.3 | 99.9 | 99.8 | 101.3 | 103.3 | 104.4 | 108.8 | 111.3 | 113.7 | 116.8 | 115.6 | 111.1 | | | 168.9 | | |
| RUN DUTY- R=320 | | 500 | 100.8 | 101.3 | 99.8 | 99.9 | 100.0 | 101.9 | 103.7 | 104.8 | 109.1 | 111.0 | 114.4 | 116.1 | 113.9 | 109.4 | | | 168.6 | | |
| TAPF X80410 | | 630 | 102.4 | 102.9 | 101.7 | 100.0 | 99.2 | 101.0 | 104.2 | 105.2 | 109.7 | 111.4 | 114.3 | 114.8 | 112.1 | 107.7 | | | 168.2 | | |
| BAR 29.9 HG | | 800 | 101.3 | 103.4 | 104.1 | 103.7 | 101.2 | 101.8 | 103.5 | 104.9 | 108.9 | 111.0 | 113.7 | 113.8 | 110.9 | 106.2 | | | 167.7 | | |
| (01039, N/M2) | | 1000 | 99.3 | 100.9 | 102.4 | 104.4 | 104.4 | 102.9 | 103.8 | 105.0 | 108.4 | 110.7 | 112.5 | 112.8 | 110.5 | 105.5 | | | 167.3 | | |
| TAMB 59, DEG F | | 1250 | 99.4 | 100.1 | 101.2 | 102.0 | 102.9 | 104.8 | 104.4 | 105.5 | 108.6 | 110.1 | 111.8 | 111.4 | 109.1 | 105.2 | | | 166.8 | | |
| (288, DEG K) | | 1600 | 97.9 | 99.9 | 101.3 | 101.2 | 101.7 | 102.6 | 105.2 | 105.0 | 107.2 | 109.3 | 111.0 | 110.7 | 108.6 | 103.5 | | | 166.2 | | |
| THET 53, DEG F | | 2000 | 96.3 | 98.1 | 98.8 | 100.6 | 101.0 | 101.3 | 104.2 | 104.4 | 106.2 | 108.9 | 109.7 | 109.5 | 107.5 | 102.2 | | | 165.4 | | |
| (285, DEG K) | | 2500 | 94.4 | 96.5 | 97.4 | 99.2 | 99.5 | 100.2 | 102.0 | 102.6 | 105.7 | 106.9 | 108.9 | 107.9 | 105.4 | 100.2 | | | 164.2 | | |
| HACT 8.91 GM/M3 | | 3150 | 92.8 | 95.2 | 96.2 | 98.1 | 97.4 | 98.6 | 100.5 | 100.8 | 103.0 | 105.3 | 107.3 | 105.9 | 104.3 | 98.7 | | | 163.0 | | |
| (.00891 KG/M3) | | 4000 | 89.6 | 92.4 | 94.2 | 94.9 | 94.5 | 96.3 | 98.6 | 98.8 | 100.4 | 103.1 | 104.8 | 103.1 | 101.9 | 95.8 | | | 161.3 | | |
| FREQ. SHIFT | | 5000 | 88.1 | 91.0 | 92.0 | 93.6 | 92.4 | 93.7 | 95.4 | 95.8 | 98.4 | 100.5 | 103.2 | 100.8 | 99.8 | 94.5 | | | 159.5 | | |
| JET 9 | | 6300 | 86.1 | 88.5 | 89.3 | 90.3 | 89.5 | 90.8 | 92.8 | 93.5 | 96.0 | 98.7 | 101.4 | 100.1 | 98.2 | 94.3 | | | 158.9 | | |
| DIAHETER RATIO | | 8000 | 85.9 | 87.1 | 87.2 | 88.7 | 87.2 | 88.2 | 90.0 | 92.0 | 93.7 | 98.1 | 100.9 | 98.9 | 98.1 | 95.7 | | | 159.8 | | |
| DF/DM 8.00 | | 10000 | 86.3 | 87.1 | 85.7 | 87.2 | 87.4 | 88.0 | 89.1 | 91.0 | 92.0 | 100.0 | 100.8 | 100.0 | 99.5 | 97.5 | | | 163.0 | | |
| OVERALL CALCULATED | | | 112.1 | 112.4 | 112.7 | 113.1 | 112.8 | 113.8 | 115.6 | 116.5 | 120.0 | 122.6 | 124.9 | 126.8 | 127.4 | 125.0 | | | 180.5 | | |
| PND8 | | | 120.9 | 122.2 | 122.8 | 123.8 | 123.7 | 124.6 | 126.6 | 127.2 | 130.3 | 132.5 | 134.6 | 134.8 | 133.8 | 130.1 | | | 13 | | |
| | | | | | | | | | | | | | | | | | | | 181.6 | | |

1120

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | | 69.6 | 69.4 | 71.3 | 73.7 | 74.4 | 76.2 | 78.4 | 79.0 | 81.8 | 86.4 | 87.0 | 90.4 | 91.9 | 84.8 | | | |
| NO EGA | 50 | 72.1 | 74.4 | 76.5 | 75.8 | 76.5 | 78.0 | 80.8 | 81.6 | 84.4 | 86.7 | 89.6 | 94.7 | 93.6 | 87.4 | | | |
| SIDELINE 2400. FT. | 63 | 73.0 | 75.5 | 77.1 | 76.9 | 77.4 | 77.9 | 81.6 | 82.2 | 85.6 | 88.4 | 91.8 | 94.6 | 94.9 | 88.7 | | | |
| (731.52 M) | 80 | 73.8 | 76.1 | 77.7 | 78.7 | 79.1 | 80.1 | 82.1 | 83.2 | 85.9 | 90.2 | 91.7 | 93.2 | 93.0 | 89.9 | | | |
| NFA 0. RPM | 100 | 75.2 | 75.7 | 78.2 | 78.7 | 79.1 | 81.4 | 83.5 | 84.6 | 87.5 | 91.2 | 92.2 | 91.0 | 92.0 | 87.2 | | | |
| (0. RAD/SEC) | 125 | 75.2 | 76.1 | 77.9 | 79.5 | 79.4 | 81.3 | 84.5 | 84.6 | 88.1 | 90.8 | 92.4 | 92.1 | 90.6 | 85.4 | | | |
| NFK 0. RPM | 160 | 74.8 | 77.0 | 78.6 | 80.1 | 80.2 | 82.6 | 84.7 | 85.1 | 88.7 | 90.8 | 91.3 | 90.7 | 89.9 | 84.5 | | | |
| (0. RAD/SEC) | 200 | 75.8 | 76.9 | 77.5 | 81.4 | 81.5 | 83.1 | 84.6 | 85.5 | 89.0 | 91.3 | 91.4 | 92.5 | 91.1 | 84.6 | | | |
| NFD 0. RPM | 250 | 75.1 | 77.3 | 79.1 | 79.7 | 80.7 | 82.2 | 84.6 | 86.0 | 89.9 | 90.9 | 91.6 | 92.9 | 91.0 | 82.5 | | | |
| (0. RAD/SEC) | 315 | 75.2 | 76.8 | 78.8 | 79.8 | 80.5 | 82.5 | 84.6 | 85.5 | 89.5 | 91.2 | 92.2 | 93.5 | 89.4 | 80.4 | | | |
| AIRFLOW RATIO | 400 | 74.0 | 77.5 | 78.0 | 79.4 | 80.3 | 82.7 | 84.7 | 85.6 | 89.5 | 90.5 | 92.5 | 92.3 | 87.1 | 77.7 | | | |
| WF/WM 8.00 | 500 | 74.8 | 78.4 | 79.4 | 79.0 | 79.1 | 81.4 | 84.8 | 85.6 | 89.6 | 90.4 | 92.0 | 90.3 | 84.5 | 74.8 | | | |
| | 630 | 72.6 | 78.1 | 81.0 | 82.1 | 80.5 | 81.7 | 83.5 | 84.8 | 88.2 | 89.4 | 90.6 | 88.4 | 82.1 | 71.5 | | | |
| VEHICLE JENOTS | 800 | 69.2 | 74.5 | 78.4 | 82.0 | 83.0 | 82.2 | 83.3 | 84.3 | 87.0 | 88.4 | 88.6 | 86.5 | 80.4 | 68.8 | | | |
| CONFIG JE-053 | 1000 | 67.6 | 72.5 | 76.1 | 78.7 | 80.7 | 83.3 | 83.1 | 83.9 | 86.4 | 86.8 | 86.8 | 83.8 | 77.3 | 66.0 | | | |
| LOC EVENDALE | 1250 | 63.7 | 70.5 | 74.8 | 76.6 | 78.3 | 80.0 | 82.7 | 82.3 | 83.8 | 84.7 | 84.5 | 81.2 | 74.4 | 60.7 | | | |
| DATE 04-04-75 | 1600 | 59.1 | 66.4 | 70.5 | 74.4 | 76.2 | 77.3 | 80.4 | 80.4 | 81.4 | 82.7 | 81.4 | 77.8 | 70.2 | 55.0 | | | |
| RUN DBTF= R320 | 2000 | 53.1 | 61.6 | 66.4 | 70.7 | 72.6 | 74.1 | 76.3 | 76.5 | 78.8 | 78.5 | 77.9 | 73.0 | 64.1 | 46.8 | | | |
| TAPE X80410 | 2500 | 44.7 | 55.2 | 61.0 | 65.9 | 67.1 | 69.4 | 71.6 | 71.5 | 72.7 | 73.2 | 72.1 | 65.9 | 56.2 | 35.3 | | | |
| FAN TIP SPEED | 3150 | 31.4 | 44.7 | 52.6 | 57.2 | 59.2 | 62.3 | 65.3 | 64.8 | 65.1 | 65.4 | 63.2 | 55.4 | 43.8 | 17.3 | | | |
| FT/SEC | 4000 | 24.1 | 38.8 | 46.8 | 52.7 | 54.2 | 56.9 | 59.1 | 59.0 | 60.2 | 59.6 | 57.9 | 48.6 | 35.8 | 7.2 | | | |
| | 5000 | 4.9 | 23.2 | 33.3 | 40.0 | 42.7 | 45.9 | 48.5 | 48.6 | 49.2 | 48.4 | 45.4 | 34.8 | 17.0 | | | | |
| | 6300 | | 1.7 | 14.6 | 23.9 | 27.3 | 30.9 | 33.4 | 34.7 | 33.8 | 33.4 | 28.3 | 13.5 | | | | | |
| | 8000 | | | | 2.3 | 9.1 | 13.3 | 15.5 | 16.3 | 13.7 | 15.1 | 5.1 | | | | | | |
| OVERALL CALCULATED | 10000 | 85.6 | 88.1 | 90.1 | 91.5 | 92.1 | 93.6 | 95.8 | 96.5 | 99.9 | 101.8 | 103.0 | 103.7 | 102.4 | 96.5 | | | |
| PNDB | | 89.6 | 93.3 | 96.1 | 98.1 | 99.2 | 100.9 | 103.3 | 103.6 | 106.0 | 107.5 | 108.3 | 108.0 | 104.4 | 96.6 | | | |

1121

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PWL | | |
|--------------------|----------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-----|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 76.7 | 75.2 | 76.3 | 78.2 | 79.4 | 80.0 | 81.1 | 82.3 | 84.3 | 86.1 | 84.8 | 91.3 | 94.2 | 95.9 | | | | 145.7 | |
| | NO EGA | 63 | 78.6 | 78.8 | 79.8 | 78.8 | 79.7 | 80.6 | 82.0 | 83.7 | 84.9 | 85.9 | 87.7 | 94.1 | 96.1 | 98.3 | | | | 147.7 | |
| RDG. NO. | 0. | 80 | 79.3 | 80.5 | 81.2 | 80.5 | 81.5 | 81.8 | 83.9 | 84.1 | 85.9 | 85.7 | 88.5 | 93.1 | 95.4 | 98.6 | | | | 147.7 | |
| RADIAL | 320. FT. | 100 | 80.0 | 80.7 | 81.6 | 81.8 | 82.8 | 82.5 | 82.7 | 83.9 | 86.3 | 88.8 | 91.2 | 93.6 | 93.7 | 96.2 | | | | 147.4 | |
| | (98. M) | 125 | 81.8 | 80.9 | 82.5 | 81.7 | 83.0 | 83.7 | 84.7 | 85.6 | 86.9 | 89.6 | 90.7 | 93.4 | 92.6 | 92.9 | | | | 147.0 | |
| VEHICLE | JENOTS | 160 | 81.3 | 80.7 | 81.4 | 82.6 | 83.0 | 83.5 | 85.5 | 86.0 | 86.0 | 88.9 | 91.4 | 92.3 | 92.5 | 90.2 | | | | 146.6 | |
| CONFIG | JE-053 | 200 | 80.9 | 82.0 | 81.2 | 81.6 | 83.4 | 83.8 | 84.8 | 85.6 | 86.7 | 88.3 | 90.9 | 92.3 | 89.7 | 87.3 | | | | 146.0 | |
| LOC | EVENDALE | 250 | 81.7 | 81.9 | 80.4 | 82.5 | 83.3 | 83.5 | 83.6 | 84.9 | 85.8 | 87.5 | 89.5 | 91.1 | 88.2 | 85.9 | | | | 145.1 | |
| DATE | 04-04-75 | 315 | 81.2 | 81.2 | 81.2 | 80.6 | 81.3 | 82.3 | 83.4 | 84.8 | 85.7 | 87.0 | 88.4 | 89.1 | 86.1 | 83.7 | | | | 144.1 | |
| RUN | DBTF- R-436 | 400 | 79.8 | 80.9 | 80.5 | 81.0 | 81.4 | 82.4 | 82.0 | 83.6 | 84.3 | 86.1 | 87.4 | 88.1 | 84.8 | 81.9 | | | | 143.2 | |
| TAPE | X80420 | 500 | 78.8 | 79.6 | 79.6 | 79.9 | 80.8 | 81.2 | 81.3 | 83.3 | 83.9 | 85.5 | 86.2 | 85.7 | 81.4 | 79.4 | | | | 142.1 | |
| BAR | 29.9 HG | 630 | 77.7 | 79.0 | 78.8 | 79.0 | 79.7 | 80.3 | 81.5 | 82.5 | 83.3 | 84.7 | 85.7 | 84.8 | 80.2 | 77.8 | | | | 141.4 | |
| | (01039, N/M2) | 800 | 76.7 | 78.2 | 78.2 | 78.8 | 79.8 | 80.1 | 80.0 | 81.8 | 82.2 | 83.8 | 84.5 | 83.3 | 79.2 | 76.0 | | | | 140.6 | |
| TAMB | 59, DEG F | 1000 | 75.7 | 77.0 | 77.2 | 77.7 | 79.0 | 79.0 | 78.9 | 80.6 | 81.5 | 82.6 | 82.6 | 81.4 | 78.3 | 75.1 | | | | 139.4 | |
| | (288, DEG K) | 1250 | 74.4 | 76.3 | 76.3 | 77.4 | 78.3 | 78.0 | 78.1 | 79.9 | 80.7 | 81.3 | 81.5 | 79.8 | 76.8 | 73.6 | | | | 138.6 | |
| THET | 53, DEG F | 1600 | 72.6 | 73.9 | 74.8 | 75.5 | 76.4 | 76.1 | 76.9 | 79.0 | 78.9 | 80.3 | 80.4 | 78.6 | 75.6 | 72.2 | | | | 137.4 | |
| | (285, DEG K) | 2000 | 70.0 | 71.8 | 72.0 | 73.3 | 74.8 | 75.0 | 75.9 | 77.1 | 77.9 | 78.8 | 78.5 | 76.8 | 73.8 | 70.1 | | | | 135.9 | |
| HACT | 8.91 GM/M3 | 2500 | 67.6 | 70.2 | 70.4 | 71.2 | 72.2 | 72.7 | 73.8 | 75.6 | 76.4 | 77.2 | 77.1 | 74.3 | 72.1 | 68.4 | | | | 134.4 | |
| | (.00891 KG/M3) | 3150 | 66.5 | 73.0 | 71.5 | 71.6 | 71.3 | 72.1 | 73.2 | 75.8 | 77.5 | 79.1 | 77.8 | 73.2 | 71.5 | 69.2 | | | | 135.5 | |
| FREQ. SHIFT | | 4000 | 62.5 | 67.1 | 66.7 | 66.9 | 66.9 | 67.7 | 68.5 | 70.5 | 71.4 | 73.1 | 73.0 | 69.8 | 68.1 | 64.8 | | | | 131.1 | |
| JET | 9 | 5000 | 60.2 | 62.9 | 63.4 | 64.2 | 64.3 | 64.4 | 65.1 | 67.0 | 68.3 | 69.4 | 69.3 | 66.2 | 65.9 | 63.9 | | | | 128.2 | |
| DIAMETER RATIO | | 6300 | 56.5 | 59.2 | 59.7 | 60.7 | 60.9 | 61.7 | 61.9 | 64.6 | 65.6 | 69.1 | 67.6 | 65.8 | 64.6 | 64.7 | | | | 127.5 | |
| DF/DM | 8.00 | 8000 | 54.7 | 57.2 | 56.8 | 58.5 | 58.6 | 58.1 | 58.6 | 61.1 | 65.6 | 70.3 | 66.8 | 66.5 | 65.2 | 66.8 | | | | 129.1 | |
| | | 10000 | 55.4 | 56.7 | 56.3 | 57.3 | 57.8 | 58.4 | 57.7 | 59.7 | 66.3 | 72.8 | 67.6 | 68.6 | 67.1 | 68.8 | | | | 133.3 | |
| OVERALL CALCULATED | | | 91.4 | 91.9 | 92.1 | 92.4 | 93.4 | 93.8 | 94.7 | 96.0 | 96.9 | 98.7 | 100.2 | 102.5 | 102.8 | 104.2 | | | | 157.0 | |
| PND8 | | | 97.3 | 99.5 | 99.1 | 99.5 | 100.1 | 100.5 | 101.3 | 103.2 | 104.5 | 106.1 | 106.2 | 106.5 | 104.8 | 104.6 | | | | 158.3 | |

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | | 50 | 52.8 | 53.6 | 56.3 | 59.2 | 61.2 | 62.2 | 63.4 | 64.5 | 66.1 | 67.1 | 64.7 | 69.7 | 70.4 | 68.6 | | | |
| | NO FGA | 63 | 54.6 | 57.2 | 59.7 | 59.8 | 61.5 | 62.8 | 64.3 | 65.9 | 66.7 | 67.0 | 67.6 | 72.5 | 72.1 | 70.9 | | | |
| | SIDELINE 2400' FT. | 80 | 55.3 | 58.7 | 61.1 | 61.4 | 63.2 | 63.9 | 66.1 | 66.2 | 67.6 | 66.7 | 68.3 | 71.3 | 71.4 | 71.0 | | | |
| | (731.52 M) | 100 | 55.8 | 58.8 | 61.4 | 62.7 | 64.4 | 64.6 | 64.9 | 67.9 | 67.9 | 69.7 | 71.0 | 71.4 | 69.5 | 68.4 | | | |
| | NFA 0. RPM | 125 | 57.5 | 58.9 | 62.2 | 62.5 | 64.6 | 65.7 | 66.8 | 67.6 | 68.5 | 70.4 | 70.4 | 71.5 | 68.3 | 64.9 | | | |
| | (0. RAD/SEC) | 160 | 56.7 | 58.6 | 60.9 | 63.3 | 64.5 | 65.4 | 67.5 | 67.9 | 67.4 | 69.6 | 70.9 | 70.1 | 67.9 | 61.9 | | | |
| | NFK 0. RPH | 200 | 56.1 | 59.7 | 60.6 | 62.1 | 64.7 | 65.6 | 66.7 | 67.3 | 68.0 | 68.9 | 70.3 | 70.0 | 64.9 | 58.5 | | | |
| | (0. RAD/SEC) | 250 | 56.6 | 59.4 | 59.6 | 62.9 | 64.5 | 65.1 | 65.4 | 66.5 | 67.0 | 67.9 | 68.7 | 68.5 | 63.1 | 56.7 | | | |
| | NFD 0. RPM | 315 | 55.7 | 58.3 | 60.1 | 60.8 | 62.2 | 63.7 | 64.9 | 66.2 | 66.6 | 67.1 | 67.3 | 66.2 | 60.5 | 53.8 | | | |
| | (0. RAD/SEC) | 400 | 53.7 | 57.6 | 59.1 | 60.8 | 62.0 | 63.5 | 63.3 | 64.8 | 65.0 | 66.0 | 66.0 | 64.8 | 58.7 | 51.2 | | | |
| | AIRFLOW RATIO | 500 | 52.0 | 55.8 | 57.8 | 59.4 | 61.1 | 62.0 | 64.2 | 64.3 | 65.0 | 66.0 | 64.3 | 61.9 | 54.7 | 47.7 | | | |
| | WF/WM 8.00 | 630 | 50.1 | 54.5 | 56.4 | 58.0 | 59.6 | 60.7 | 62.1 | 62.9 | 63.2 | 63.7 | 63.3 | 60.4 | 52.6 | 44.8 | | | |
| | | 800 | 47.9 | 52.9 | 55.1 | 57.1 | 59.1 | 60.0 | 60.1 | 61.7 | 61.5 | 62.2 | 61.4 | 58.0 | 50.5 | 41.3 | | | |
| | VEHICLE JENOTS | 1000 | 45.6 | 50.6 | 53.3 | 55.4 | 57.6 | 58.3 | 58.4 | 59.9 | 60.1 | 60.3 | 58.7 | 55.1 | 48.2 | 38.4 | | | |
| | CONFIG JE-053 | 1250 | 42.6 | 48.7 | 51.3 | 54.1 | 56.2 | 56.4 | 56.8 | 58.3 | 58.6 | 58.0 | 56.5 | 52.2 | 45.0 | 34.4 | | | |
| | LOC EVENDALE | 1600 | 38.4 | 44.4 | 48.2 | 50.9 | 53.0 | 53.4 | 54.4 | 56.3 | 55.6 | 55.7 | 53.9 | 49.2 | 41.4 | 29.4 | | | |
| | DATE 04-04-75 | 2000 | 32.9 | 40.1 | 43.7 | 47.1 | 49.9 | 51.0 | 52.1 | 53.1 | 53.1 | 52.6 | 50.1 | 45.1 | 36.6 | 23.0 | | | |
| | RUN DBTF- R.435 | 2500 | 26.3 | 35.3 | 39.4 | 42.7 | 45.3 | 46.6 | 48.0 | 49.5 | 49.5 | 48.7 | 46.1 | 39.4 | 30.8 | 15.0 | | | |
| | TAPE X80420 | 3150 | 18.5 | 32.9 | 36.3 | 39.4 | 41.1 | 42.9 | 44.3 | 46.5 | 47.2 | 46.9 | 42.5 | 33.1 | 23.5 | 5.7 | | | |
| | FAN TIP SPEED | 4000 | 4.4 | 19.4 | 25.1 | 29.2 | 31.6 | 33.7 | 35.0 | 36.5 | 36.1 | 35.4 | 31.4 | 22.1 | 10.0 | | | | |
| | FT/SEC | 5000 | | 10.8 | 18.2 | 23.3 | 26.1 | 27.6 | 28.8 | 30.2 | 30.1 | 28.5 | 24.1 | 14.0 | 1.9 | | | | |
| | | 6300 | | | 3.6 | 10.4 | 14.1 | 16.8 | 17.7 | 19.7 | 18.8 | 18.7 | 11.5 | 0.5 | | | | | |
| | | 8000 | | | | | | 0.7 | 2.0 | 3.8 | 5.6 | 5.5 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| | OVERALL CALCULATED | | 66.1 | 69.0 | 71.0 | 72.5 | 74.2 | 75.1 | 76.2 | 77.4 | 77.8 | 78.8 | 79.4 | 80.3 | 78.5 | 76.5 | | | |
| | PNOB | | 67.1 | 71.5 | 73.7 | 75.7 | 77.5 | 78.7 | 79.3 | 80.7 | 81.0 | 81.7 | 81.6 | 80.5 | 75.6 | 70.6 | | | |

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Model 8

ORIGINAL PAGE 1
OF FOUR ADAMS

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-----|-------|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 76.4 | 75.7 | 76.8 | 78.9 | 79.9 | 80.0 | 80.8 | 83.1 | 84.3 | 86.3 | 85.0 | 92.0 | 94.5 | 95.9 | | | | 146.0 | |
| | NO EGA | 63 | 78.1 | 79.1 | 80.3 | 79.3 | 80.0 | 81.6 | 82.5 | 84.0 | 85.2 | 86.4 | 87.7 | 94.6 | 95.6 | 97.1 | | | | 147.5 | |
| RDG. NO. 0. | | 80 | 79.1 | 81.0 | 82.0 | 81.0 | 82.2 | 82.0 | 84.1 | 85.1 | 85.9 | 86.5 | 88.5 | 93.6 | 95.2 | 97.8 | | | | 147.6 | |
| RADIAL 320. FT. | | 100 | 79.7 | 81.7 | 81.9 | 82.5 | 82.3 | 82.5 | 83.7 | 86.4 | 86.5 | 89.5 | 91.5 | 93.8 | 93.5 | 96.2 | | | | 147.7 | |
| (98, M) | | 125 | 81.6 | 81.4 | 82.8 | 82.4 | 83.0 | 84.0 | 84.9 | 86.6 | 86.9 | 89.4 | 90.5 | 93.9 | 92.6 | 92.7 | | | | 147.2 | |
| VEHICLE JENOTS | | 160 | 81.3 | 81.5 | 81.9 | 82.6 | 82.8 | 83.2 | 85.2 | 86.0 | 86.2 | 88.7 | 91.6 | 92.8 | 91.7 | 89.7 | | | | 146.6 | |
| CONFIG JE-053 | | 200 | 80.1 | 82.3 | 81.5 | 82.3 | 82.6 | 84.3 | 84.8 | 86.1 | 86.2 | 88.1 | 90.9 | 92.5 | 88.9 | 86.3 | | | | 145.9 | |
| LOC EVENDALE | | 250 | 81.5 | 82.0 | 80.7 | 83.0 | 83.1 | 84.0 | 83.7 | 86.0 | 85.6 | 87.3 | 89.5 | 91.1 | 87.2 | 85.4 | | | | 145.7 | |
| DATE 04-07-75 | | 315 | 80.7 | 82.2 | 81.9 | 80.9 | 81.8 | 82.6 | 83.1 | 84.8 | 85.7 | 86.8 | 87.7 | 89.6 | 85.3 | 82.9 | | | | 144.0 | |
| RUN DBTF= R#320 | | 400 | 79.8 | 81.2 | 81.1 | 81.2 | 81.1 | 81.9 | 82.1 | 84.2 | 84.3 | 86.4 | 87.5 | 87.4 | 84.1 | 80.9 | | | | 143.1 | |
| TAPE X80430 | | 500 | 78.3 | 80.3 | 79.6 | 80.5 | 80.5 | 81.2 | 81.5 | 83.1 | 84.0 | 85.6 | 85.5 | 85.5 | 81.2 | 78.9 | | | | 142.0 | |
| BAR 29.9 HG | | 630 | 77.7 | 79.2 | 79.1 | 80.0 | 79.7 | 80.8 | 81.0 | 83.2 | 83.5 | 85.2 | 85.4 | 84.6 | 80.0 | 77.5 | | | | 141.6 | |
| (01039, N/H2) | | 800 | 76.2 | 78.5 | 78.7 | 79.3 | 79.3 | 80.4 | 80.3 | 82.0 | 82.0 | 84.1 | 84.0 | 82.6 | 79.2 | 75.7 | | | | 140.5 | |
| TAMB 59, DEG F | | 1000 | 74.9 | 77.7 | 78.0 | 79.0 | 79.2 | 79.5 | 79.4 | 81.1 | 81.5 | 82.6 | 82.9 | 81.7 | 76.3 | 75.8 | | | | 139.7 | |
| (288, DEG K) | | 1250 | 74.0 | 77.4 | 77.2 | 78.0 | 77.9 | 78.6 | 79.0 | 80.5 | 81.1 | 82.1 | 82.1 | 80.7 | 77.9 | 75.3 | | | | 139.2 | |
| TWET 53, DEG F | | 1600 | 72.6 | 76.6 | 76.7 | 77.2 | 77.8 | 78.1 | 78.6 | 80.2 | 79.7 | 81.3 | 80.9 | 79.4 | 76.6 | 74.0 | | | | 138.5 | |
| (285, DEG K) | | 2000 | 71.6 | 78.4 | 77.9 | 77.6 | 77.9 | 77.9 | 77.8 | 79.1 | 79.3 | 80.5 | 79.6 | 78.2 | 75.7 | 73.8 | | | | 138.3 | |
| HACT 8.91 GM/H3 | | 2500 | 74.2 | 84.5 | 84.0 | 83.8 | 84.0 | 85.0 | 85.6 | 86.9 | 87.0 | 84.2 | 80.1 | 78.4 | 78.2 | 78.0 | | | | 144.6 | |
| (.00891 KG/H3) | | 3150 | 76.8 | 88.5 | 87.5 | 86.6 | 87.1 | 88.3 | 90.0 | 91.8 | 91.8 | 89.6 | 83.8 | 80.4 | 80.3 | 80.2 | | | | 149.2 | |
| FREQ. SHIFT | | 4000 | 67.8 | 78.9 | 78.2 | 78.1 | 75.9 | 77.0 | 76.5 | 78.0 | 76.4 | 76.8 | 75.7 | 73.9 | 73.2 | 70.6 | | | | 138.2 | |
| JET 9 | | 5000 | 64.1 | 74.8 | 74.3 | 74.6 | 73.9 | 74.5 | 74.7 | 75.8 | 74.2 | 73.7 | 71.7 | 68.8 | 69.0 | 67.3 | | | | 135.6 | |
| DIA MEYER RATIO | | 6300 | 61.7 | 73.1 | 72.6 | 72.7 | 71.8 | 73.4 | 73.9 | 76.3 | 74.6 | 72.7 | 71.0 | 68.2 | 67.6 | 66.2 | | | | 136.0 | |
| DF/DM 8.00 | | 8000 | 57.5 | 67.2 | 67.3 | 67.6 | 65.1 | 67.9 | 67.8 | 70.7 | 68.6 | 70.0 | 68.6 | 67.8 | 65.7 | 66.0 | | | | 133.0 | |
| | | 10000 | 55.7 | 62.8 | 63.1 | 63.4 | 62.1 | 67.0 | 67.5 | 70.0 | 67.4 | 71.7 | 68.0 | 69.2 | 67.5 | 67.7 | | | | 135.1 | |
| OVERALL CALCULATED | | | 91.3 | 94.6 | 94.4 | 94.5 | 94.8 | 95.6 | 96.5 | 98.2 | 98.4 | 99.4 | 100.3 | 102.9 | 102.5 | 103.7 | | | | 158.0 | |
| PWDB | | | 100.6 | 108.5 | 107.9 | 107.6 | 107.8 | 108.9 | 109.9 | 111.7 | 111.6 | 111.0 | 108.6 | 107.8 | 106.5 | 105.9 | | | | 1.3 | |
| | | | | | | | | | | | | | | | | | | | | 159.3 | |

1124

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | 50 | 52.6 | 54.1 | 56.8 | 60.0 | 61.7 | 62.2 | 63.2 | 65.3 | 66.1 | 67.4 | 65.0 | 70.4 | 70.6 | 68.6 | | | |
| NO EGA | 63 | 54.1 | 57.4 | 60.2 | 60.3 | 61.7 | 63.8 | 64.8 | 66.1 | 66.9 | 67.5 | 67.6 | 73.0 | 71.6 | 69.6 | | | |
| SIDELINE 2400 FT. | 80 | 55.0 | 59.2 | 61.8 | 61.9 | 63.9 | 64.1 | 66.4 | 67.2 | 67.6 | 67.4 | 68.3 | 71.8 | 71.1 | 70.2 | | | |
| (731.52 M) | 100 | 55.5 | 59.8 | 61.7 | 63.4 | 63.9 | 64.6 | 65.9 | 68.4 | 68.2 | 70.4 | 71.2 | 71.9 | 69.3 | 68.4 | | | |
| NFA 0. RPM | 125 | 57.3 | 59.4 | 62.5 | 63.2 | 64.6 | 65.9 | 67.1 | 68.6 | 68.5 | 70.2 | 70.2 | 72.0 | 68.3 | 64.7 | | | |
| (0. RAD/SEC) | 140 | 56.7 | 59.3 | 61.4 | 63.3 | 64.2 | 65.1 | 67.2 | 67.9 | 67.7 | 69.4 | 71.2 | 70.6 | 67.2 | 61.4 | | | |
| NFK 0. RPM | 200 | 55.3 | 60.0 | 60.9 | 62.9 | 64.0 | 66.1 | 66.7 | 67.8 | 67.5 | 68.6 | 70.3 | 70.2 | 64.1 | 57.5 | | | |
| (0. RAD/SEC) | 250 | 56.3 | 59.4 | 59.8 | 63.4 | 64.3 | 65.6 | 65.4 | 67.6 | 66.8 | 67.6 | 68.7 | 68.6 | 62.1 | 56.2 | | | |
| NFD 0. RPM | 315 | 55.2 | 59.3 | 60.8 | 61.0 | 62.7 | 64.0 | 64.7 | 66.2 | 66.7 | 66.9 | 66.6 | 66.7 | 59.8 | 53.1 | | | |
| (0. RAD/SEC) | 400 | 53.7 | 57.9 | 59.6 | 61.1 | 61.8 | 63.0 | 63.4 | 65.3 | 65.0 | 66.2 | 66.0 | 64.1 | 58.0 | 50.2 | | | |
| AIRFLOW RATIO | 500 | 51.6 | 56.5 | 57.8 | 59.9 | 60.9 | 62.1 | 62.5 | 63.9 | 64.3 | 65.0 | 63.6 | 61.6 | 54.4 | 47.2 | | | |
| WF/WM 8.00 | 630 | 50.1 | 54.8 | 56.7 | 59.1 | 59.7 | 61.2 | 61.6 | 63.7 | 63.4 | 64.2 | 63.0 | 60.1 | 52.3 | 44.6 | | | |
| | 800 | 47.4 | 53.1 | 55.6 | 57.6 | 58.6 | 60.3 | 60.4 | 61.9 | 61.3 | 62.5 | 60.9 | 57.3 | 50.5 | 41.1 | | | |
| VEHICLE JENOTS | 1000 | 44.8 | 51.4 | 54.0 | 56.6 | 57.9 | 58.8 | 58.9 | 60.4 | 60.1 | 60.3 | 58.9 | 55.3 | 48.2 | 39.2 | | | |
| CONFIG JE-053 | 1250 | 42.2 | 49.8 | 52.2 | 54.7 | 55.8 | 57.1 | 57.6 | 59.0 | 58.9 | 58.8 | 57.1 | 53.1 | 46.1 | 36.1 | | | |
| LOC EVENDALE | 1600 | 38.3 | 47.1 | 50.2 | 52.6 | 54.4 | 55.4 | 56.1 | 57.5 | 56.3 | 56.7 | 54.4 | 49.9 | 42.3 | 31.1 | | | |
| DATE 04-07-75 | 2000 | 34.5 | 46.7 | 49.6 | 51.4 | 53.1 | 53.9 | 54.0 | 55.0 | 54.5 | 54.3 | 51.3 | 46.5 | 38.6 | 26.6 | | | |
| RUN DBTF- R=320 | 2500 | 32.9 | 49.6 | 53.0 | 55.3 | 57.1 | 58.9 | 59.8 | 60.8 | 60.1 | 59.7 | 49.2 | 43.5 | 36.9 | 24.6 | | | |
| TAPE X80430 | 3150 | 28.7 | 48.4 | 52.3 | 54.4 | 56.8 | 59.1 | 61.1 | 62.5 | 61.5 | 57.4 | 48.5 | 40.4 | 32.2 | 16.7 | | | |
| FAN TIP SPEED | 4000 | 9.7 | 31.2 | 36.6 | 40.4 | 40.6 | 43.0 | 43.0 | 44.0 | 41.1 | 39.2 | 34.2 | 26.1 | 15.0 | | | | |
| FT/SEC | 5000 | 0.1 | 22.6 | 29.1 | 33.7 | 35.7 | 37.7 | 38.4 | 39.1 | 36.0 | 32.8 | 26.4 | 16.7 | 5.0 | | | | |
| | 6300 | | 7.8 | 16.6 | 22.4 | 25.0 | 28.5 | 29.6 | 31.4 | 27.8 | 22.4 | 15.0 | 2.9 | | | | | |
| | 8000 | | | | 2.8 | 5.1 | 10.5 | 11.3 | 13.3 | 8.7 | 5.3 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 65.8 | 69.6 | 71.6 | 73.2 | 74.4 | 75.6 | 76.6 | 78.1 | 78.0 | 79.0 | 79.4 | 80.7 | 78.2 | 76.0 | | | |
| PND8 | | 67.3 | 74.1 | 77.0 | 79.2 | 80.9 | 82.7 | 83.9 | 85.4 | 84.7 | 83.3 | 81.9 | 81.0 | 75.4 | 70.5 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| FULL SIZE SOUND PRESSURE LEVELS | | | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0. 0. 0. PWL | | |
|---------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--|------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL | | | | | | | | | | | | | | | | | |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | | | | | | | | | | | | | | | |
| | 50 | 79.2 | 76.7 | 77.3 | 79.2 | 80.7 | 80.7 | 82.8 | 84.8 | 88.1 | 90.6 | 91.5 | 98.0 | 100.2 | 101.9 | | | | 151.4 | | | | | | | | | | | | | | | | | |
| NO EGA | 63 | 81.1 | 80.6 | 81.1 | 80.0 | 80.7 | 81.9 | 83.2 | 85.5 | 86.9 | 88.4 | 90.7 | 97.4 | 99.6 | 101.1 | | | | 150.7 | | | | | | | | | | | | | | | | | |
| REG. NO. 0 | 80 | 81.6 | 81.5 | 81.7 | 80.7 | 81.5 | 82.0 | 84.1 | 86.4 | 88.2 | 89.5 | 93.0 | 97.8 | 100.2 | 104.3 | | | | 152.3 | | | | | | | | | | | | | | | | | |
| RADIAL 320. FT. | 100 | 81.2 | 81.4 | 81.4 | 82.0 | 82.8 | 83.0 | 84.7 | 87.1 | 88.8 | 91.8 | 94.2 | 96.5 | 97.0 | 102.2 | | | | 151.0 | | | | | | | | | | | | | | | | | |
| (98. M) | 125 | 81.8 | 80.6 | 82.3 | 82.2 | 83.0 | 83.9 | 85.7 | 87.1 | 89.2 | 92.1 | 94.0 | 96.7 | 97.1 | 99.2 | | | | 150.3 | | | | | | | | | | | | | | | | | |
| VEHICLE JENOTS | 160 | 81.4 | 80.7 | 81.4 | 82.3 | 82.5 | 84.0 | 86.2 | 87.0 | 88.7 | 91.7 | 95.4 | 96.0 | 95.7 | 94.7 | | | | 149.5 | | | | | | | | | | | | | | | | | |
| CONFIG JE-053 | 200 | 80.4 | 81.3 | 81.2 | 81.8 | 82.6 | 84.3 | 85.8 | 87.1 | 88.7 | 91.1 | 93.9 | 94.5 | 92.9 | 91.0 | | | | 148.2 | | | | | | | | | | | | | | | | | |
| LCC EYENDALE | 250 | 80.9 | 80.4 | 80.4 | 82.3 | 83.1 | 84.0 | 84.9 | 86.9 | 88.1 | 90.0 | 93.5 | 93.4 | 91.2 | 89.4 | | | | 147.4 | | | | | | | | | | | | | | | | | |
| DATE 04-04-75 | 315 | 79.5 | 80.5 | 80.4 | 79.9 | 81.0 | 82.6 | 84.1 | 86.1 | 87.7 | 89.7 | 91.2 | 91.6 | 88.8 | 86.7 | | | | 145.9 | | | | | | | | | | | | | | | | | |
| RUN DBTF- R436 | 400 | 78.3 | 79.7 | 79.5 | 80.2 | 81.1 | 82.4 | 82.8 | 85.4 | 86.3 | 89.1 | 89.9 | 90.6 | 87.8 | 85.1 | | | | 145.1 | | | | | | | | | | | | | | | | | |
| TAPE X80440 | 500 | 77.8 | 78.6 | 78.6 | 79.0 | 80.3 | 81.5 | 82.5 | 84.6 | 85.7 | 87.5 | 88.9 | 87.7 | 84.2 | 82.2 | | | | 143.6 | | | | | | | | | | | | | | | | | |
| BAR 29.9 HG | 630 | 77.4 | 78.0 | 77.8 | 78.0 | 79.5 | 80.5 | 81.2 | 83.7 | 85.5 | 86.9 | 87.4 | 85.8 | 82.4 | 80.3 | | | | 142.6 | | | | | | | | | | | | | | | | | |
| (01039. N/M2) | 800 | 75.7 | 76.7 | 76.9 | 78.0 | 79.0 | 80.1 | 80.5 | 82.5 | 84.0 | 85.8 | 86.3 | 84.1 | 80.7 | 77.5 | | | | 141.5 | | | | | | | | | | | | | | | | | |
| TAMB 59. DEG F | 1000 | 74.9 | 76.0 | 76.2 | 77.5 | 78.5 | 79.3 | 79.4 | 81.9 | 83.0 | 84.4 | 84.6 | 82.4 | 79.1 | 76.3 | | | | 140.4 | | | | | | | | | | | | | | | | | |
| (288. DEG K) | 1250 | 73.6 | 75.3 | 75.6 | 76.6 | 77.8 | 77.7 | 78.6 | 81.1 | 82.0 | 83.0 | 83.2 | 80.6 | 77.3 | 74.9 | | | | 139.4 | | | | | | | | | | | | | | | | | |
| TWET 53. DEG F | 1600 | 71.9 | 74.2 | 74.3 | 75.0 | 76.6 | 76.9 | 78.2 | 79.5 | 79.9 | 81.5 | 81.4 | 78.6 | 76.3 | 74.7 | | | | 138.1 | | | | | | | | | | | | | | | | | |
| (285. DEG K) | 2000 | 70.2 | 72.3 | 72.8 | 73.6 | 75.5 | 75.5 | 76.4 | 77.6 | 78.9 | 79.3 | 79.7 | 76.8 | 74.3 | 71.9 | | | | 136.6 | | | | | | | | | | | | | | | | | |
| HACT 8.91 GM/M3 | 2500 | 68.4 | 71.2 | 71.1 | 71.7 | 73.0 | 73.4 | 74.8 | 76.1 | 76.4 | 77.4 | 77.6 | 74.6 | 72.4 | 70.7 | | | | 134.9 | | | | | | | | | | | | | | | | | |
| (.00891 KG/M3) | 3150 | 67.8 | 74.5 | 73.2 | 72.1 | 72.6 | 73.1 | 74.0 | 76.0 | 76.5 | 76.8 | 76.0 | 73.9 | 73.5 | 72.7 | | | | 135.3 | | | | | | | | | | | | | | | | | |
| FREQ. SHIFT | 4000 | 66.3 | 73.4 | 73.7 | 71.9 | 71.4 | 72.5 | 73.3 | 76.2 | 77.1 | 80.6 | 77.0 | 72.1 | 72.1 | 70.8 | | | | 136.6 | | | | | | | | | | | | | | | | | |
| JET 9 | 5000 | 62.0 | 67.9 | 68.4 | 67.7 | 67.6 | 67.1 | 67.1 | 69.5 | 70.8 | 71.9 | 73.1 | 70.5 | 69.9 | 70.4 | | | | 131.4 | | | | | | | | | | | | | | | | | |
| DIAMETER RATIO | 6300 | 56.7 | 62.2 | 62.9 | 64.0 | 65.1 | 65.4 | 65.2 | 66.9 | 66.7 | 69.8 | 73.3 | 71.8 | 70.4 | 73.0 | | | | 131.3 | | | | | | | | | | | | | | | | | |
| DF/DH 8.00 | 8000 | 55.2 | 59.2 | 59.6 | 61.0 | 64.6 | 65.3 | 64.6 | 67.4 | 65.9 | 71.0 | 74.8 | 75.0 | 72.7 | 75.5 | | | | 134.6 | | | | | | | | | | | | | | | | | |
| | 10000 | 55.6 | 57.7 | 56.5 | 59.1 | 66.8 | 67.1 | 66.2 | 68.7 | 66.6 | 73.1 | 77.4 | 77.6 | 75.4 | 77.8 | | | | 139.5 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 91.5 | 91.7 | 92.0 | 92.4 | 93.3 | 94.2 | 95.6 | 97.5 | 99.1 | 101.4 | 103.6 | 106.1 | 106.9 | 109.4 | | | | 160.2 | | | | | | | | | | | | | | | | | |
| PNDB | | 97.2 | 100.3 | 100.1 | 99.9 | 100.9 | 101.6 | 102.6 | 104.6 | 105.7 | 108.1 | 109.2 | 109.1 | 108.1 | 109.4 | | | | 161.5 | | | | | | | | | | | | | | | | | |

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 55.3 | 55.1 | 57.3 | 60.2 | 62.4 | 62.9 | 65.2 | 67.0 | 69.8 | 71.6 | 71.5 | 76.4 | 76.4 | 74.6 | | | |
| SIDELINE 2400' FT | 63 | 57.1 | 58.9 | 61.0 | 61.0 | 62.5 | 64.0 | 65.5 | 67.6 | 68.7 | 69.5 | 70.6 | 75.7 | 75.6 | 73.6 | | | |
| (731.52 M) | 80 | 57.5 | 59.7 | 61.6 | 61.7 | 63.2 | 64.1 | 66.4 | 68.5 | 69.9 | 70.4 | 72.8 | 76.1 | 76.1 | 76.7 | | | |
| NFA | 100 | 57.0 | 59.6 | 61.2 | 62.9 | 64.4 | 65.1 | 66.9 | 69.2 | 70.4 | 72.7 | 74.0 | 74.7 | 72.8 | 74.4 | | | |
| (0. RPM) | 125 | 57.5 | 58.7 | 62.0 | 63.0 | 64.6 | 65.9 | 67.8 | 69.1 | 70.7 | 72.9 | 73.7 | 74.7 | 72.8 | 71.2 | | | |
| (0. RAD/SEC) | 160 | 56.8 | 58.6 | 60.9 | 63.0 | 64.0 | 65.9 | 68.2 | 68.9 | 70.1 | 72.3 | 74.9 | 73.9 | 71.2 | 66.4 | | | |
| NFK | 200 | 55.6 | 59.0 | 60.6 | 62.3 | 64.0 | 66.1 | 67.7 | 68.8 | 70.0 | 71.6 | 73.3 | 72.2 | 68.1 | 62.3 | | | |
| (0. RAD/SEC) | 250 | 55.8 | 57.9 | 59.6 | 62.6 | 64.2 | 65.6 | 66.6 | 68.5 | 69.2 | 70.4 | 72.7 | 70.8 | 66.1 | 60.2 | | | |
| NFD | 315 | 53.9 | 57.6 | 59.3 | 60.0 | 62.0 | 64.0 | 65.7 | 67.5 | 68.6 | 69.9 | 70.1 | 68.7 | 63.3 | 56.8 | | | |
| (0. RAD/SEC) | 400 | 52.2 | 56.4 | 58.1 | 60.1 | 61.8 | 63.5 | 64.1 | 66.5 | 67.0 | 69.0 | 68.5 | 67.3 | 61.7 | 54.5 | | | |
| AIRFLOW RATIO | 500 | 51.0 | 54.8 | 56.8 | 58.4 | 60.6 | 62.3 | 63.5 | 65.4 | 66.0 | 67.0 | 67.1 | 63.9 | 57.4 | 50.5 | | | |
| WF/WM 8.00 | 630 | 49.8 | 53.5 | 55.4 | 57.0 | 59.4 | 61.0 | 61.8 | 64.1 | 65.4 | 65.9 | 65.0 | 61.4 | 54.8 | 47.3 | | | |
| | 800 | 46.9 | 51.4 | 53.8 | 56.4 | 58.4 | 60.0 | 60.6 | 62.4 | 63.3 | 64.2 | 63.2 | 58.8 | 52.0 | 42.8 | | | |
| VEHICLE | 1000 | 44.8 | 49.6 | 52.3 | 55.1 | 57.1 | 58.5 | 58.9 | 61.1 | 61.6 | 62.0 | 60.7 | 56.1 | 49.0 | 39.7 | | | |
| CONFIG | 1250 | 41.8 | 47.7 | 50.6 | 53.3 | 55.7 | 56.2 | 57.3 | 59.6 | 59.8 | 59.7 | 58.2 | 52.9 | 45.5 | 35.7 | | | |
| LOC | 1600 | 37.6 | 44.7 | 47.7 | 50.4 | 53.2 | 54.2 | 55.7 | 56.8 | 56.6 | 56.9 | 54.9 | 49.2 | 42.1 | 31.9 | | | |
| DATE 04-04-75 | 2000 | 33.1 | 40.6 | 44.4 | 47.4 | 50.7 | 51.5 | 52.6 | 53.6 | 54.1 | 53.1 | 51.4 | 45.1 | 37.1 | 24.7 | | | |
| RUN DBTF-R 436 | 2500 | 27.1 | 36.3 | 40.2 | 43.2 | 46.1 | 47.4 | 49.0 | 50.0 | 49.5 | 48.9 | 46.6 | 39.7 | 31.1 | 17.3 | | | |
| TAPE | 3150 | 19.7 | 34.4 | 38.0 | 39.9 | 42.3 | 43.9 | 45.1 | 46.8 | 46.2 | 44.6 | 40.8 | 33.9 | 25.5 | 9.2 | | | |
| FAN TIP SPEED | 4000 | 8.2 | 25.6 | 32.1 | 34.2 | 36.1 | 38.5 | 39.7 | 42.2 | 41.8 | 42.9 | 35.4 | 24.4 | 14.0 | | | | |
| FT/SEC | 5000 | | 15.8 | 23.2 | 26.8 | 29.3 | 30.3 | 30.8 | 32.7 | 32.6 | 31.0 | 27.8 | 18.3 | 5.9 | | | | |
| | 6300 | | | 6.9 | 13.7 | 18.3 | 20.5 | 20.9 | 22.0 | 19.9 | 19.5 | 17.3 | 6.5 | | | | | |
| | 8000 | | | | | 4.6 | 8.0 | 8.0 | 10.0 | 5.9 | 6.3 | 2.2 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 66.5 | 68.8 | 70.9 | 72.5 | 74.1 | 75.6 | 77.2 | 78.9 | 80.1 | 81.7 | 82.9 | 84.0 | 82.7 | 81.7 | | | |
| PND8 | | 66.6 | 71.0 | 73.4 | 75.5 | 77.5 | 79.1 | 80.3 | 82.3 | 83.0 | 84.3 | 84.8 | 83.2 | 79.2 | 76.5 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | PWL |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|-------|
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | PWL |
| | | 50 | 81.2 | 79.2 | 79.8 | 81.7 | 82.9 | 83.0 | 85.3 | 87.6 | 90.6 | 94.1 | 95.8 | 101.3 | 104.0 | 103.9 | | | | | 154.7 |
| | NO EGA | 63 | 84.6 | 82.8 | 82.6 | 81.3 | 81.7 | 83.6 | 85.0 | 87.2 | 88.2 | 90.4 | 93.5 | 101.6 | 103.3 | 101.6 | | | | | 153.5 |
| | RDG. NO. 0. | 80 | 84.3 | 83.2 | 83.2 | 82.5 | 84.0 | 83.8 | 85.9 | 87.9 | 90.2 | 91.5 | 96.2 | 102.1 | 104.2 | 104.6 | | | | | 154.4 |
| | RADIAL 320. FT. | 100 | 84.2 | 83.2 | 84.4 | 83.8 | 84.8 | 84.8 | 85.9 | 89.4 | 90.0 | 93.5 | 96.7 | 100.0 | 101.0 | 104.7 | | | | | 153.6 |
| | (98. M) | 125 | 84.6 | 82.1 | 85.3 | 83.9 | 84.5 | 85.7 | 87.7 | 88.9 | 91.2 | 94.4 | 97.2 | 99.9 | 99.9 | 100.4 | | | | | 152.8 |
| | VEHICLE JENOTS | 160 | 82.8 | 83.3 | 83.4 | 84.2 | 85.1 | 85.5 | 87.5 | 89.0 | 90.5 | 93.7 | 98.4 | 99.5 | 98.3 | 96.2 | | | | | 152.1 |
| | CONFIG JE-053 | 200 | 81.6 | 83.0 | 82.5 | 83.6 | 84.6 | 85.8 | 87.6 | 89.3 | 90.7 | 92.8 | 96.9 | 97.3 | 95.2 | 92.8 | | | | | 150.5 |
| | LOC ENE DALE | 250 | 82.4 | 81.7 | 81.6 | 83.8 | 85.1 | 85.7 | 86.6 | 88.7 | 90.1 | 92.5 | 95.5 | 95.6 | 92.5 | 90.6 | | | | | 149.4 |
| | DATE 04-04-75 | 315 | 81.0 | 81.7 | 81.9 | 81.6 | 83.3 | 84.6 | 85.6 | 87.8 | 89.7 | 92.2 | 93.4 | 94.4 | 90.8 | 88.2 | | | | | 148.2 |
| | RUN DBTF- R 436 | 400 | 79.6 | 80.7 | 80.5 | 82.0 | 82.9 | 84.4 | 84.5 | 87.4 | 88.1 | 91.1 | 92.4 | 91.9 | 88.8 | 86.4 | | | | | 146.9 |
| | TAPE X80450 | 500 | 78.1 | 79.1 | 79.6 | 80.5 | 81.8 | 83.5 | 84.5 | 86.1 | 87.7 | 90.0 | 90.7 | 89.4 | 85.9 | 83.4 | | | | | 142.5 |
| | BAR 29.9 HG | 630 | 78.4 | 79.2 | 79.1 | 80.0 | 80.7 | 82.3 | 83.2 | 85.7 | 87.5 | 89.4 | 89.7 | 88.3 | 84.2 | 81.8 | | | | | 144.7 |
| | (01039, N/M2) | 800 | 76.4 | 78.0 | 78.4 | 79.5 | 80.3 | 81.4 | 82.3 | 84.3 | 86.2 | 88.1 | 88.3 | 86.1 | 82.0 | 79.5 | | | | | 143.4 |
| | TAMB 59. DEG F | 1000 | 75.2 | 77.2 | 77.2 | 78.5 | 79.5 | 80.5 | 81.4 | 83.1 | 84.2 | 86.4 | 86.4 | 83.9 | 80.1 | 76.8 | | | | | 141.9 |
| | (288. DEG K) | 1250 | 74.4 | 76.3 | 76.6 | 77.6 | 78.8 | 79.2 | 79.8 | 82.1 | 84.0 | 85.5 | 85.0 | 81.3 | 77.5 | 75.1 | | | | | 141.0 |
| | THET 53. DEG F | 1600 | 73.1 | 74.9 | 75.0 | 76.5 | 77.6 | 77.9 | 79.4 | 80.8 | 82.2 | 83.3 | 82.4 | 79.6 | 76.1 | 74.7 | | | | | 139.4 |
| | (285. DEG K) | 2000 | 70.7 | 72.8 | 73.3 | 74.3 | 75.8 | 76.3 | 77.9 | 79.1 | 80.2 | 81.3 | 80.7 | 77.0 | 73.5 | 70.6 | | | | | 137.7 |
| | HACT 8.91 CM/M3 | 2500 | 68.6 | 70.4 | 71.1 | 72.5 | 73.2 | 73.7 | 75.0 | 77.1 | 78.4 | 78.9 | 78.6 | 75.1 | 72.1 | 70.2 | | | | | 135.8 |
| | (.00891 KG/M3) | 3150 | 66.5 | 69.0 | 69.5 | 71.1 | 71.1 | 71.8 | 73.0 | 75.0 | 76.8 | 77.1 | 76.3 | 73.9 | 72.5 | 71.7 | | | | | 134.5 |
| | FREQ. SHIFT | 4000 | 63.3 | 66.9 | 66.7 | 68.1 | 67.7 | 69.5 | 70.3 | 72.7 | 73.9 | 74.8 | 74.0 | 71.6 | 70.1 | 70.0 | | | | | 132.8 |
| | JET 9 | 5000 | 62.0 | 65.2 | 64.9 | 67.2 | 66.1 | 66.1 | 66.8 | 68.7 | 72.6 | 73.6 | 72.8 | 70.7 | 70.2 | 71.2 | | | | | 131.6 |
| | DIAMETER RATIO | 6300 | 61.5 | 64.2 | 62.9 | 65.2 | 64.1 | 64.7 | 64.9 | 67.1 | 72.1 | 74.3 | 73.8 | 73.0 | 71.9 | 74.0 | | | | | 133.1 |
| | BF/DM 8.00 | 8000 | 63.2 | 65.2 | 63.1 | 66.0 | 65.1 | 64.8 | 64.6 | 68.1 | 74.1 | 76.8 | 75.6 | 75.5 | 74.2 | 76.5 | | | | | 137.0 |
| | | 10000 | 64.9 | 66.2 | 64.5 | 67.3 | 67.3 | 67.4 | 66.2 | 70.2 | 76.1 | 80.3 | 77.6 | 78.1 | 77.1 | 78.6 | | | | | 142.2 |
| | OVERALL CALCULATED | | 93.5 | 93.2 | 93.7 | 94.0 | 95.1 | 95.9 | 97.3 | 99.4 | 101.0 | 103.6 | 106.4 | 109.5 | 110.4 | 110.7 | | | | | 162.7 |
| | PND8 | | 98.6 | 99.4 | 99.6 | 100.7 | 101.6 | 102.4 | 103.6 | 105.6 | 107.4 | 109.6 | 111.1 | 111.4 | 110.5 | 110.9 | | | | | 164.0 |

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Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT RCL, HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | |
|--------------------|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|----------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 57.3 | 57.6 | 59.8 | 62.7 | 64.7 | 65.2 | 67.7 | 69.8 | 72.3 | 75.1 | 75.7 | 79.7 | 80.1 | 76.6 | | | | |
| --- | NO EGA | 63 | 60.6 | 61.2 | 62.5 | 62.3 | 63.5 | 65.8 | 67.3 | 69.4 | 69.9 | 71.5 | 73.4 | 80.0 | 79.4 | 74.1 | | | | |
| SIDELINE 2400. FT. | 80 | 60.3 | 61.5 | 63.1 | 63.4 | 65.7 | 65.9 | 68.1 | 70.0 | 71.9 | 72.4 | 76.1 | 80.3 | 80.1 | 77.0 | | | | | |
| (731.52 M) | 100 | 60.0 | 61.3 | 64.2 | 64.7 | 66.4 | 66.8 | 68.1 | 71.4 | 71.7 | 74.4 | 76.5 | 78.2 | 76.8 | 76.9 | | | | | |
| NFA | 0. RPM | 125 | 60.2 | 60.2 | 65.0 | 64.7 | 66.1 | 67.7 | 69.8 | 70.8 | 72.7 | 75.2 | 76.9 | 78.0 | 75.5 | 72.4 | | | | |
| (| 0. RAD/SEC) | 160 | 58.2 | 61.2 | 62.9 | 64.8 | 66.5 | 67.4 | 69.5 | 70.9 | 71.9 | 74.3 | 77.9 | 77.4 | 73.7 | 67.9 | | | | |
| NFK | 0. RPM | 200 | 56.8 | 60.7 | 61.8 | 64.1 | 66.0 | 67.6 | 69.5 | 71.1 | 72.0 | 73.4 | 76.3 | 75.0 | 70.4 | 64.0 | | | | |
| (| 0. RAD/SEC) | 250 | 57.3 | 59.1 | 60.8 | 64.1 | 66.2 | 67.3 | 68.4 | 70.3 | 71.2 | 72.9 | 74.7 | 73.0 | 67.3 | 61.4 | | | | |
| NFD | 0. RPM | 315 | 55.4 | 58.8 | 60.8 | 61.8 | 64.2 | 66.0 | 67.2 | 69.2 | 70.6 | 72.4 | 72.3 | 71.5 | 65.3 | 58.3 | | | | |
| (| 0. RAD/SEC) | 400 | 53.5 | 57.4 | 59.1 | 61.8 | 63.5 | 65.5 | 65.8 | 68.5 | 68.7 | 71.0 | 71.0 | 68.6 | 62.7 | 55.7 | | | | |
| AIRFLOW RATIO | 500 | 51.3 | 55.3 | 57.8 | 59.9 | 62.1 | 64.3 | 65.5 | 66.9 | 68.0 | 69.5 | 68.8 | 65.6 | 59.2 | 51.7 | | | | | |
| WF/WM 8.00 | 630 | 50.8 | 54.7 | 56.7 | 59.0 | 60.6 | 62.7 | 63.8 | 66.1 | 67.4 | 68.4 | 67.3 | 63.9 | 56.6 | 48.8 | | | | | |
| | 800 | 47.6 | 52.6 | 55.3 | 57.9 | 59.6 | 61.2 | 62.4 | 64.2 | 65.5 | 66.5 | 65.2 | 60.8 | 53.2 | 44.8 | | | | | |
| VEHICLE | JENOTS | 1000 | 45.1 | 50.9 | 53.3 | 56.1 | 58.1 | 59.8 | 60.9 | 62.4 | 62.9 | 64.0 | 62.4 | 57.6 | 50.0 | 40.2 | | | | |
| CONFIG | JE-053 | 1250 | 42.6 | 48.7 | 51.6 | 54.3 | 56.7 | 57.7 | 58.5 | 60.6 | 61.8 | 62.2 | 60.0 | 53.7 | 45.7 | 35.9 | | | | |
| LOC | EVENDALE | 1600 | 38.9 | 45.4 | 48.5 | 51.9 | 54.2 | 55.2 | 56.9 | 58.1 | 58.8 | 58.7 | 55.9 | 50.2 | 41.9 | 31.9 | | | | |
| DATE | 04-04-75 | 2000 | 33.6 | 41.1 | 44.9 | 48.1 | 50.9 | 52.2 | 54.1 | 55.1 | 55.4 | 55.1 | 52.4 | 45.3 | 36.4 | 23.5 | | | | |
| RUN | DBTF- R.436 | 2500 | 27.3 | 35.5 | 40.2 | 44.0 | 46.3 | 47.6 | 49.3 | 51.0 | 51.5 | 50.4 | 47.6 | 40.2 | 30.8 | 16.8 | | | | |
| TAPE | X80450 | 3150 | 18.5 | 28.9 | 34.3 | 38.9 | 40.8 | 42.6 | 44.1 | 45.8 | 46.5 | 44.9 | 41.8 | 33.9 | 24.5 | 8.2 | | | | |
| FAN TIP SPEED | 4000 | 5.2 | 19.1 | 25.1 | 30.4 | 32.4 | 35.5 | 36.7 | 38.7 | 38.6 | 37.1 | 32.4 | 23.9 | 12.0 | | | | | | |
| | 5000 | | 13.0 | 19.7 | 26.3 | 27.8 | 29.3 | 30.5 | 31.9 | 34.4 | 32.7 | 27.6 | 18.5 | 6.2 | | | | | | |
| | 6300 | | | 6.9 | 14.9 | 17.3 | 19.8 | 20.7 | 22.2 | 25.3 | 24.0 | 17.8 | 7.7 | | | | | | | |
| | 8000 | | | | 1.3 | 5.1 | 7.5 | 8.0 | 10.8 | 14.1 | 12.0 | 3.0 | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 68.7 | 70.6 | 72.8 | 74.2 | 76.0 | 77.3 | 78.9 | 80.8 | 82.0 | 83.9 | 85.8 | 87.5 | 86.3 | 83.0 | | | | | |
| | PND8 | 68.1 | 72.0 | 74.5 | 77.0 | 79.0 | 80.6 | 81.9 | 84.0 | 84.9 | 86.4 | 87.3 | 86.2 | 82.3 | 78.6 | | | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|----------|------|-------|-----|
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | | 50 | 81.9 | 80.0 | 80.8 | 81.9 | 82.9 | 83.2 | 85.8 | 88.1 | 90.8 | 95.1 | 96.3 | 102.5 | 104.5 | 104.9 | | | | 155.3 | |
| | NO EGA | 63 | 84.6 | 83.8 | 83.3 | 82.3 | 83.2 | 84.1 | 86.0 | 88.0 | 89.4 | 91.4 | 94.7 | 102.4 | 104.1 | 103.3 | | | | 154.5 | |
| | ADG. NO. 0. | 80 | 85.3 | 84.5 | 84.0 | 82.7 | 84.7 | 84.5 | 87.1 | 88.6 | 90.9 | 92.2 | 97.2 | 102.8 | 104.9 | 105.8 | | | | 155.8 | |
| | RADIAL 320. FT. | 100 | 85.0 | 84.7 | 85.1 | 84.8 | 85.8 | 85.5 | 87.2 | 90.1 | 91.3 | 94.5 | 97.5 | 100.8 | 101.5 | 106.2 | | | | 154.8 | |
| | (98. M) | 125 | 85.1 | 83.9 | 85.5 | 84.7 | 85.3 | 85.9 | 88.4 | 90.1 | 92.2 | 95.6 | 98.0 | 100.7 | 101.4 | 102.7 | | | | 154.0 | |
| | VEHICLE - JENOTS | 160 | 84.0 | 83.2 | 84.1 | 84.1 | 85.0 | 86.2 | 88.7 | 90.0 | 91.5 | 95.2 | 99.1 | 99.8 | 99.5 | 97.5 | | | | 153.0 | |
| | CONFIG JE-053 | 200 | 82.1 | 83.8 | 83.2 | 84.3 | 85.6 | 86.5 | 88.3 | 90.3 | 91.4 | 93.8 | 97.6 | 98.0 | 95.7 | 93.8 | | | | 151.3 | |
| | LCC EYENDALE | 250 | 82.7 | 82.9 | 81.9 | 84.5 | 85.6 | 86.7 | 86.9 | 89.4 | 90.8 | 93.7 | 96.0 | 96.4 | 93.4 | 91.4 | | | | 150.1 | |
| | DATE 04-04-75 | 315 | 81.4 | 82.4 | 82.6 | 82.1 | 83.5 | 85.1 | 86.3 | 88.6 | 90.7 | 93.0 | 93.9 | 94.8 | 91.1 | 89.1 | | | | 148.8 | |
| | RUN DBTF - R-436 | 400 | 80.0 | 81.4 | 81.8 | 82.7 | 83.6 | 84.6 | 85.8 | 87.9 | 88.8 | 92.3 | 92.7 | 92.9 | 89.6 | 86.9 | | | | 147.6 | |
| | TAPE X80460 | 500 | 79.0 | 80.5 | 80.8 | 81.2 | 82.0 | 83.7 | 84.9 | 87.0 | 88.4 | 90.2 | 90.7 | 89.7 | 86.2 | 83.9 | | | | 145.8 | |
| | BAR 29.9 HG | 630 | 78.6 | 79.7 | 79.3 | 80.5 | 81.4 | 82.5 | 84.4 | 86.2 | 88.2 | 89.9 | 89.9 | 88.3 | 84.7 | 82.0 | | | | 145.2 | |
| | (01039. N/M2) | 800 | 76.8 | 78.7 | 78.6 | 80.2 | 81.5 | 81.8 | 82.5 | 85.0 | 86.4 | 88.5 | 87.7 | 86.0 | 82.4 | 79.2 | | | | 143.6 | |
| | TAMB 59. DEG F | 1000 | 75.9 | 77.4 | 77.9 | 78.9 | 80.7 | 81.2 | 81.4 | 84.1 | 85.4 | 86.8 | 86.1 | 83.9 | 80.3 | 77.3 | | | | 142.4 | |
| | (288. DEG K) | 1250 | 74.8 | 76.5 | 77.2 | 78.3 | 79.7 | 79.9 | 80.5 | 82.8 | 84.2 | 85.4 | 84.7 | 81.5 | 78.2 | 75.6 | | | | 141.2 | |
| | THET 53. DEG F | 1600 | 73.1 | 75.6 | 76.2 | 76.7 | 78.6 | 78.3 | 79.6 | 81.2 | 82.7 | 83.8 | 82.9 | 79.9 | 77.1 | 74.7 | | | | 139.9 | |
| | (285. DEG K) | 2000 | 71.0 | 73.6 | 74.1 | 74.9 | 76.8 | 76.8 | 77.9 | 79.7 | 80.7 | 81.9 | 80.3 | 77.6 | 74.6 | 71.7 | | | | 138.1 | |
| | HACT 8.91 GM/M3 | 2500 | 68.5 | 72.3 | 72.5 | 73.3 | 74.3 | 74.7 | 76.1 | 76.9 | 79.0 | 79.5 | 78.7 | 74.9 | 73.0 | 70.8 | | | | 136.4 | |
| | (+00891 KG/M3) | 3150 | 69.9 | 78.3 | 75.6 | 74.2 | 74.0 | 74.7 | 75.8 | 77.6 | 78.1 | 78.4 | 76.9 | 74.5 | 73.6 | 73.3 | | | | 137.0 | |
| | FREQ. SHIFT | 4000 | 68.7 | 78.7 | 76.3 | 75.2 | 73.8 | 74.4 | 74.9 | 78.4 | 79.5 | 83.0 | 76.1 | 73.7 | 72.8 | 72.2 | | | | 138.9 | |
| | JET 9 | 5000 | 62.9 | 69.6 | 70.1 | 69.9 | 69.2 | 68.0 | 68.4 | 70.3 | 73.2 | 74.3 | 73.2 | 71.4 | 69.8 | 72.1 | | | | 132.9 | |
| | DIAMETER RATIO | 6300 | 61.8 | 65.0 | 65.3 | 67.1 | 66.2 | 66.5 | 66.1 | 68.0 | 72.0 | 75.2 | 74.2 | 73.6 | 71.0 | 74.6 | | | | 133.7 | |
| | DF/DH 8.00 | 8000 | 63.3 | 65.3 | 64.6 | 66.9 | 65.2 | 65.9 | 65.4 | 68.5 | 74.4 | 77.6 | 75.6 | 75.8 | 73.0 | 76.9 | | | | 137.4 | |
| | | 10000 | 64.9 | 66.3 | 64.8 | 67.6 | 66.6 | 67.4 | 67.1 | 70.2 | 75.8 | 81.3 | 77.9 | 78.2 | 75.9 | 78.9 | | | | 142.5 | |
| | OVERALL CALCULATED | | 74.1 | 74.4 | 74.5 | 74.7 | 75.8 | 76.5 | 78.1 | 100.2 | 101.8 | 104.6 | 107.0 | 110.2 | 111.1 | 112.1 | | | | 163.6 | |
| | PND8 | | 99.3 | 103.5 | 102.5 | 102.6 | 102.8 | 103.4 | 104.6 | 106.8 | 108.5 | 111.1 | 111.6 | 112.0 | 111.2 | 112.1 | | | | 164.9 | |

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Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0° | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 0° | 0° | 0° |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ. | 50 | 58.1 | 58.4 | 60.8 | 63.0 | 64.7 | 65.4 | 68.2 | 70.3 | 72.6 | 76.1 | 76.2 | 80.9 | 80.6 | 77.6 | | | | |
| NO EGA | 63 | 60.6 | 62.2 | 63.2 | 63.3 | 65.0 | 66.3 | 68.3 | 70.1 | 71.2 | 72.5 | 74.6 | 80.7 | 80.1 | 75.9 | | | | | |
| SIDELINE 2400' FT. | 80 | 61.3 | 62.7 | 63.8 | 63.7 | 66.4 | 66.6 | 69.4 | 70.7 | 72.6 | 73.2 | 77.1 | 81.1 | 80.9 | 78.2 | | | | | |
| (731.52 M) | 100 | 60.8 | 62.8 | 64.9 | 65.7 | 67.4 | 67.6 | 69.4 | 72.2 | 72.9 | 75.4 | 77.2 | 78.9 | 77.3 | 78.4 | | | | | |
| NFA 0° RPM | 125 | 60.7 | 61.9 | 65.2 | 65.5 | 66.8 | 67.9 | 70.5 | 72.1 | 73.7 | 76.4 | 77.7 | 78.7 | 77.0 | 74.7 | | | | | |
| (0° RAD/SEC) | 160 | 59.5 | 61.1 | 63.7 | 64.8 | 66.4 | 68.1 | 70.7 | 71.8 | 72.9 | 75.8 | 78.7 | 77.6 | 74.9 | 69.1 | | | | | |
| NFK 0° RPM | 200 | 57.3 | 61.5 | 62.6 | 64.8 | 66.9 | 68.3 | 70.2 | 72.1 | 72.7 | 74.3 | 77.0 | 75.7 | 70.9 | 65.0 | | | | | |
| (0° RAD/SEC) | 250 | 57.5 | 60.3 | 61.0 | 64.9 | 66.7 | 68.3 | 68.6 | 71.0 | 72.0 | 74.1 | 75.2 | 73.8 | 68.3 | 62.1 | | | | | |
| NFD 0° RPM | 315 | 55.9 | 59.6 | 61.6 | 62.2 | 64.4 | 66.5 | 67.9 | 70.0 | 71.6 | 73.1 | 72.8 | 71.9 | 65.5 | 59.3 | | | | | |
| (0° RAD/SEC) | 400 | 53.9 | 58.1 | 60.3 | 62.5 | 64.2 | 65.7 | 67.1 | 69.0 | 69.5 | 72.2 | 71.2 | 69.5 | 63.4 | 56.2 | | | | | |
| AIR FLOW RATIO | 500 | 52.3 | 56.7 | 59.0 | 60.6 | 62.3 | 64.5 | 65.9 | 67.9 | 68.7 | 69.7 | 68.8 | 65.8 | 59.4 | 52.2 | | | | | |
| WF/WM 8.00 | 630 | 51.0 | 55.2 | 56.9 | 59.5 | 61.3 | 62.9 | 65.0 | 66.6 | 68.1 | 68.9 | 67.5 | 63.8 | 57.0 | 49.0 | | | | | |
| | 800 | 48.1 | 53.3 | 55.5 | 58.6 | 60.8 | 61.7 | 62.8 | 64.9 | 65.7 | 66.9 | 64.6 | 60.7 | 53.7 | 44.5 | | | | | |
| VEHICLE JENOTS | 1000 | 45.8 | 51.1 | 54.0 | 56.6 | 59.3 | 60.5 | 60.8 | 63.3 | 64.1 | 64.4 | 62.1 | 57.5 | 50.2 | 40.6 | | | | | |
| CONFIG JE-053 | 1250 | 43.0 | 48.8 | 52.2 | 55.0 | 57.6 | 58.4 | 59.2 | 61.3 | 62.0 | 62.2 | 59.7 | 53.9 | 46.4 | 36.4 | | | | | |
| LOC EVENDALE | 1600 | 38.9 | 46.1 | 49.7 | 52.1 | 55.2 | 55.6 | 57.2 | 58.5 | 59.3 | 59.2 | 56.4 | 50.4 | 42.8 | 31.9 | | | | | |
| DATE 04-04-75 | 2000 | 33.9 | 41.9 | 45.7 | 48.7 | 52.0 | 52.8 | 54.1 | 55.6 | 55.9 | 55.7 | 51.9 | 45.9 | 37.4 | 24.5 | | | | | |
| RUN DBTF= R-435 | 2500 | 27.2 | 37.4 | 41.5 | 44.8 | 47.4 | 48.7 | 50.3 | 50.8 | 52.1 | 51.0 | 47.7 | 40.0 | 31.6 | 17.3 | | | | | |
| TAPE X80460 | 3150 | 21.8 | 38.3 | 40.4 | 42.0 | 43.7 | 45.5 | 47.0 | 48.4 | 47.8 | 46.3 | 41.7 | 34.5 | 25.6 | 9.9 | | | | | |
| FAN TIP SPEED | 4000 | 10.5 | 31.0 | 34.7 | 37.6 | 38.5 | 40.4 | 41.4 | 44.4 | 44.2 | 45.3 | 34.6 | 26.0 | 14.6 | | | | | | |
| FT/SEC | 5000 | | 17.4 | 24.8 | 29.0 | 31.0 | 31.2 | 32.1 | 33.6 | 35.0 | 33.4 | 28.0 | 19.2 | 5.8 | | | | | | |
| | 6300 | | | 9.2 | 16.8 | 19.4 | 21.6 | 21.8 | 23.1 | 25.2 | 24.8 | 18.1 | 8.3 | | | | | | | |
| | 8000 | | | | 2.1 | 5.2 | 8.6 | 8.9 | 11.1 | 14.5 | 12.8 | 3.0 | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 69.3 | 71.5 | 73.5 | 74.8 | 76.7 | 77.9 | 79.8 | 81.6 | 82.9 | 85.0 | 86.4 | 88.3 | 87.0 | 84.4 | | | | | |
| PND8 | | 68.7 | 73.2 | 75.6 | 77.8 | 79.9 | 81.3 | 82.8 | 84.8 | 85.9 | 87.4 | 87.9 | 86.8 | 83.2 | 80.2 | | | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY - JFNOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | PWL |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | 50 | 82.4 | 80.9 | 80.8 | 82.4 | 83.9 | 84.2 | 85.8 | 88.1 | 90.3 | 94.1 | 95.3 | 101.5 | 103.7 | 103.6 | | | | 154.4 |
| | NO EGA | 63 | 85.8 | 84.3 | 84.6 | 83.0 | 84.0 | 84.6 | 86.5 | 88.5 | 89.7 | 91.9 | 96.0 | 103.4 | 105.8 | 103.3 | | | | 155.6 |
| | RCG. NO. 0. | 80 | 85.3 | 85.7 | 85.7 | 84.2 | 84.7 | 85.0 | 87.6 | 89.1 | 91.4 | 93.2 | 98.2 | 102.8 | 104.9 | 104.8 | | | | 157.7 |
| | RADIAL 320. FT. | 100 | 86.0 | 85.2 | 85.4 | 85.3 | 86.5 | 86.3 | 87.4 | 90.4 | 92.0 | 95.0 | 98.0 | 101.3 | 102.2 | 104.7 | | | | 154.8 |
| | (98. M) | 125 | 86.3 | 84.4 | 86.0 | 84.9 | 86.3 | 86.9 | 88.9 | 90.4 | 92.4 | 95.6 | 98.0 | 101.2 | 99.4 | 100.4 | | | | 153.5 |
| | VEHICLE JENOTS | 160 | 84.8 | 84.5 | 84.9 | 85.1 | 85.8 | 87.0 | 88.7 | 89.7 | 91.2 | 95.2 | 98.6 | 99.8 | 98.0 | 96.0 | | | | 152.2 |
| | CCNFIG JE-053 | 200 | 83.1 | 84.5 | 84.2 | 84.8 | 85.9 | 87.3 | 88.8 | 90.0 | 91.4 | 94.1 | 97.9 | 97.8 | 94.9 | 92.0 | | | | 151.3 |
| | LCC EVENDALE | 250 | 83.9 | 83.4 | 83.4 | 85.5 | 86.1 | 87.0 | 87.1 | 89.7 | 91.1 | 93.7 | 96.5 | 96.9 | 93.4 | 90.4 | | | | 150.4 |
| | DATE 34-04-75 | 315 | 82.2 | 83.4 | 83.9 | 82.9 | 84.5 | 85.6 | 86.8 | 88.8 | 90.9 | 93.0 | 94.4 | 95.1 | 90.6 | 87.6 | | | | 149.0 |
| | RUN DBTF- R-436 | 400 | 81.3 | 82.9 | 82.8 | 83.4 | 84.3 | 85.3 | 86.0 | 88.1 | 89.5 | 92.1 | 92.9 | 92.6 | 89.1 | 85.6 | | | | 147.7 |
| | TAPE X80470 | 500 | 79.5 | 81.5 | 81.6 | 82.2 | 83.7 | 84.4 | 85.2 | 87.0 | 88.4 | 90.5 | 91.4 | 89.9 | 86.2 | 83.6 | | | | 146.2 |
| | BAR 29.9 HG | 630 | 79.6 | 80.7 | 81.0 | 81.7 | 82.2 | 83.2 | 84.9 | 86.7 | 88.7 | 90.1 | 90.6 | 88.8 | 84.4 | 82.0 | | | | 145.7 |
| | (01039, N/M2) | 800 | 78.3 | 79.9 | 80.9 | 81.2 | 82.5 | 83.1 | 84.0 | 85.5 | 87.1 | 88.3 | 89.0 | 86.8 | 83.2 | 79.7 | | | | 144.4 |
| | TAMB 59. DFG F | 1000 | 77.4 | 79.7 | 79.9 | 80.4 | 81.9 | 82.2 | 82.6 | 84.6 | 86.2 | 87.3 | 87.3 | 85.1 | 81.5 | 78.5 | | | | 143.4 |
| | (288. DEG K) | 1250 | 76.0 | 79.0 | 79.0 | 80.0 | 81.2 | 81.4 | 81.8 | 84.1 | 85.4 | 86.2 | 86.2 | 83.0 | 80.5 | 77.3 | | | | 142.5 |
| | TMET 53. DFG F | 1600 | 74.1 | 77.6 | 78.0 | 78.9 | 79.8 | 80.3 | 81.1 | 82.7 | 83.7 | 84.8 | 84.4 | 81.9 | 79.1 | 76.5 | | | | 141.3 |
| | (285. DEG K) | 2000 | 72.3 | 75.3 | 76.3 | 76.9 | 78.5 | 79.3 | 79.4 | 80.9 | 82.2 | 83.1 | 82.5 | 80.1 | 77.3 | 73.7 | | | | 139.9 |
| | HACT 8.91 GH/M3 | 2500 | 70.0 | 74.0 | 74.2 | 75.3 | 76.3 | 76.7 | 77.6 | 79.1 | 80.7 | 80.7 | 80.7 | 77.9 | 75.7 | 73.0 | | | | 138.2 |
| | (00891 KG/M3) | 3150 | 70.9 | 79.6 | 78.1 | 77.5 | 76.5 | 77.2 | 78.4 | 80.9 | 82.9 | 79.9 | 78.4 | 76.8 | 75.4 | 74.1 | | | | 137.6 |
| | FREQ. SHIFT | 4000 | 69.7 | 81.2 | 79.8 | 78.2 | 77.6 | 78.4 | 79.2 | 82.6 | 82.8 | 80.7 | 78.1 | 75.7 | 74.0 | 72.4 | | | | 141.1 |
| | JET 9 | 5000 | 65.9 | 75.8 | 75.1 | 75.6 | 74.2 | 73.0 | 73.7 | 77.1 | 76.7 | 77.8 | 75.7 | 72.9 | 72.1 | 72.6 | | | | 137.4 |
| | DIAMETER RATIO | 6300 | 62.6 | 67.0 | 67.0 | 68.8 | 68.0 | 67.8 | 67.8 | 70.0 | 73.3 | 75.9 | 74.7 | 74.4 | 72.5 | 74.6 | | | | 134.8 |
| | DF/DH 8.00 | 8000 | 63.3 | 66.8 | 65.6 | 67.4 | 66.4 | 66.4 | 66.1 | 69.7 | 74.4 | 77.8 | 75.6 | 75.6 | 74.3 | 77.1 | | | | 137.6 |
| | | 10000 | 65.2 | 66.5 | 65.3 | 68.3 | 68.3 | 67.9 | 67.2 | 70.2 | 76.6 | 80.8 | 77.9 | 78.7 | 77.2 | 79.1 | | | | 142.7 |
| | OVERALL CALCULATED | | 95.2 | 95.4 | 95.6 | 95.6 | 96.6 | 97.3 | 98.6 | 100.5 | 102.2 | 104.7 | 107.3 | 110.4 | 111.2 | 110.9 | | | | 165.7 |
| | PND8 | | 100.5 | 105.4 | 104.9 | 104.6 | 104.8 | 105.5 | 106.4 | 108.9 | 110.2 | 110.9 | 112.2 | 112.5 | 111.5 | 111.2 | | | | 165.0 |

Model 8

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | |
|---|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| REV. ALPHA 12/73 FREQ. | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 58.6 | 58.9 | 60.8 | 63.5 | 65.7 | 66.4 | 68.2 | 70.3 | 72.1 | 75.1 | 75.2 | 79.9 | 79.9 | 76.3 | | |
| SIDELINE 2400. FT? | | 63 | 61.9 | 62.7 | 64.5 | 64.0 | 65.7 | 66.8 | 68.8 | 70.6 | 71.4 | 73.0 | 75.9 | 81.7 | 81.9 | 75.9 | | |
| (731.52 M) | | 80 | 62.3 | 64.0 | 65.6 | 65.2 | 66.4 | 67.1 | 69.9 | 71.2 | 73.1 | 74.2 | 78.1 | 81.1 | 80.9 | 77.2 | | |
| NFA 0. RPM | | 100 | 61.8 | 63.3 | 65.2 | 66.2 | 68.1 | 68.3 | 69.6 | 72.4 | 73.7 | 75.9 | 77.7 | 79.4 | 78.0 | 76.9 | | |
| (0. RAD/SEC) | | 125 | 62.0 | 62.4 | 65.7 | 65.7 | 67.8 | 68.9 | 71.0 | 72.3 | 74.0 | 76.4 | 77.7 | 79.2 | 75.0 | 72.4 | | |
| NFK 0. RPM | | 160 | 60.2 | 62.3 | 64.4 | 65.8 | 67.2 | 68.0 | 70.7 | 71.6 | 72.6 | 75.8 | 78.2 | 77.6 | 73.4 | 67.6 | | |
| (0. RAD/SEC) | | 200 | 58.3 | 62.2 | 63.6 | 65.3 | 67.2 | 69.1 | 70.7 | 71.8 | 72.7 | 74.6 | 77.3 | 75.4 | 70.1 | 63.3 | | |
| NFD 0. RPM | | 250 | 58.8 | 60.8 | 62.5 | 65.9 | 67.2 | 68.6 | 68.9 | 71.3 | 72.2 | 74.1 | 75.7 | 74.3 | 68.3 | 61.1 | | |
| (0. RAD/SEC) | | 315 | 56.6 | 60.6 | 62.8 | 63.0 | 65.4 | 67.0 | 68.4 | 70.2 | 71.9 | 73.1 | 73.3 | 72.2 | 65.0 | 57.8 | | |
| AIRFLOW RATIO | | 400 | 55.2 | 59.6 | 61.3 | 63.3 | 65.0 | 66.5 | 67.3 | 69.3 | 70.2 | 71.9 | 71.5 | 69.3 | 62.9 | 54.9 | | |
| WF/KM 8.00 | | 500 | 52.8 | 57.7 | 59.7 | 61.6 | 64.1 | 65.2 | 66.2 | 67.9 | 68.7 | 70.0 | 69.6 | 66.1 | 59.4 | 51.9 | | |
| | | 630 | 52.0 | 56.2 | 58.6 | 60.7 | 62.1 | 63.7 | 65.5 | 67.1 | 68.6 | 69.1 | 68.2 | 64.3 | 56.8 | 49.0 | | |
| | | 800 | 49.6 | 54.6 | 57.7 | 59.6 | 61.8 | 62.9 | 64.1 | 65.4 | 66.5 | 66.7 | 65.9 | 61.5 | 54.4 | 45.0 | | |
| VEHICLE JENOTS | | 1000 | 47.3 | 53.3 | 56.0 | 58.1 | 60.6 | 61.5 | 62.1 | 63.8 | 64.8 | 64.9 | 63.4 | 58.8 | 51.4 | 41.9 | | |
| CONFIG JENOTS | | 1250 | 44.2 | 51.3 | 54.0 | 56.8 | 59.1 | 59.9 | 60.4 | 62.5 | 63.2 | 62.9 | 61.2 | 55.4 | 48.7 | 38.1 | | |
| LOC EVENDALE | | 1600 | 39.9 | 48.1 | 51.4 | 54.3 | 56.5 | 57.6 | 58.7 | 60.0 | 60.3 | 60.2 | 57.9 | 52.4 | 44.8 | 33.6 | | |
| DATE 04-04-75 | | 2000 | 35.2 | 43.6 | 48.0 | 50.7 | 53.7 | 55.3 | 55.6 | 56.9 | 57.4 | 56.9 | 54.2 | 48.4 | 40.2 | 26.5 | | |
| RUN DBTF- R 436 | | 2500 | 28.7 | 39.1 | 43.2 | 46.8 | 49.4 | 50.7 | 51.8 | 53.1 | 53.8 | 52.3 | 49.7 | 43.0 | 34.4 | 19.6 | | |
| TAPE X80470 | | 3150 | 22.8 | 39.6 | 42.9 | 45.3 | 46.2 | 48.0 | 49.5 | 51.6 | 52.6 | 47.8 | 43.2 | 36.8 | 27.3 | 10.6 | | |
| FAN TIP SPEED | | 4000 | 11.5 | 33.5 | 38.2 | 40.6 | 42.3 | 44.4 | 45.6 | 48.6 | 47.5 | 43.0 | 36.6 | 28.0 | 15.9 | | | |
| FT/SEC | | 5000 | 1.9 | 23.6 | 29.8 | 34.7 | 36.0 | 36.2 | 37.4 | 40.3 | 40.5 | 36.9 | 30.5 | 20.7 | 8.1 | | | |
| | | 6300 | | 1.7 | 11.0 | 18.5 | 21.2 | 22.9 | 23.5 | 25.1 | 26.5 | 25.6 | 18.6 | 9.1 | | | | |
| | | 8000 | | | | 2.6 | 6.5 | 9.1 | 9.6 | 12.4 | 14.5 | 13.1 | 3.0 | | | | | |
| OVERALL CALCULATED | | 10000 | 70.4 | 72.4 | 74.5 | 75.6 | 77.4 | 78.6 | 80.2 | 81.8 | 83.1 | 85.0 | 86.7 | 88.5 | 87.1 | 83.2 | | |
| PNDB | | | 69.9 | 74.6 | 77.0 | 79.0 | 81.0 | 82.4 | 83.6 | 85.5 | 86.5 | 87.6 | 88.4 | 87.2 | 83.3 | 78.8 | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|----------|--|--|-------|
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| | 30. | | | | | | | | | | | | | | | | | | | | | |
| | 40. | | | | | | | | | | | | | | | | | | | | | |
| | 50. | | | | | | | | | | | | | | | | | | | | | |
| | 60. | | | | | | | | | | | | | | | | | | | | | |
| | 70. | | | | | | | | | | | | | | | | | | | | | |
| | 80. | | | | | | | | | | | | | | | | | | | | | |
| | 90. | | | | | | | | | | | | | | | | | | | | | |
| | 100. | | | | | | | | | | | | | | | | | | | | | |
| | 110. | | | | | | | | | | | | | | | | | | | | | |
| | 120. | | | | | | | | | | | | | | | | | | | | | |
| | 130. | | | | | | | | | | | | | | | | | | | | | |
| | 140. | | | | | | | | | | | | | | | | | | | | | |
| | 150. | | | | | | | | | | | | | | | | | | | | | |
| | 160. | | | | | | | | | | | | | | | | | | | | | |
| | 0. | | | | | | | | | | | | | | | | | | | | | |
| | 0. | | | | | | | | | | | | | | | | | | | | | |
| | 0. | | | | | | | | | | | | | | | | | | | | | |
| NO EGA | 50 | 83.9 | 81.5 | 82.1 | 83.7 | 84.2 | 84.5 | 86.8 | 88.8 | 91.8 | 96.3 | 97.8 | 104.0 | 105.5 | 105.9 | | | | | | | 156.5 |
| REG. NO. 0. | 63 | 87.3 | 86.6 | 85.8 | 84.3 | 84.2 | 86.1 | 87.5 | 89.5 | 91.2 | 94.4 | 98.0 | 105.6 | 107.3 | 103.3 | | | | | | | 157.2 |
| RADIAL 320. FT. | 80 | 88.1 | 86.7 | 86.7 | 85.7 | 86.2 | 86.8 | 88.6 | 90.4 | 92.7 | 95.5 | 100.7 | 106.1 | 107.4 | 108.1 | | | | | | | 158.5 |
| (98. M) | 100 | 87.2 | 86.7 | 87.4 | 86.3 | 87.3 | 87.5 | 88.4 | 92.1 | 93.0 | 97.0 | 100.5 | 103.8 | 105.0 | 109.5 | | | | | | | 157.8 |
| VEHICLE JENOTS | 125 | 88.3 | 86.6 | 87.0 | 86.7 | 87.0 | 88.7 | 90.4 | 91.8 | 93.6 | 98.1 | 100.5 | 103.2 | 104.4 | 105.9 | | | | | | | 156.7 |
| CONFIG JE-053 | 160 | 86.3 | 86.0 | 86.4 | 86.6 | 87.2 | 88.5 | 89.9 | 91.7 | 93.2 | 97.4 | 101.1 | 102.5 | 102.4 | 101.5 | | | | | | | 155.5 |
| LOC EVENDALE | 200 | 84.6 | 85.3 | 85.2 | 85.8 | 86.9 | 89.0 | 89.8 | 91.8 | 93.1 | 96.8 | 99.6 | 99.5 | 97.8 | | | | | | | | 153.5 |
| DATE 04-04-75 | 250 | 84.4 | 84.6 | 83.8 | 86.5 | 87.3 | 88.7 | 88.8 | 90.9 | 93.0 | 96.2 | 99.0 | 98.3 | 96.4 | 95.1 | | | | | | | 152.5 |
| RUN DBTF- R-436 | 315 | 82.9 | 83.7 | 84.4 | 83.8 | 85.2 | 87.0 | 88.1 | 90.0 | 91.9 | 95.7 | 96.4 | 97.1 | 93.5 | 91.6 | | | | | | | 150.9 |
| TAPE X80480 | 400 | 81.2 | 82.6 | 82.7 | 83.9 | 84.8 | 86.5 | 87.0 | 89.6 | 91.2 | 94.8 | 95.4 | 95.1 | 91.8 | 89.3 | | | | | | | 149.8 |
| BAR 29.9 HG | 500 | 79.7 | 81.2 | 81.5 | 82.4 | 83.7 | 85.4 | 86.4 | 88.5 | 90.6 | 93.2 | 93.3 | 92.1 | 88.3 | 85.8 | | | | | | | 148.1 |
| (01039. N/M2) | 630 | 79.6 | 80.1 | 80.4 | 81.2 | 82.6 | 84.2 | 85.9 | 88.1 | 89.9 | 92.8 | 92.0 | 90.7 | 86.3 | 83.7 | | | | | | | 147.2 |
| TAMB 59. DEG F | 800 | 78.0 | 79.8 | 80.0 | 80.9 | 81.9 | 83.7 | 84.7 | 86.6 | 88.1 | 90.9 | 90.6 | 88.2 | 84.9 | 81.4 | | | | | | | 145.7 |
| (288. DEG K) | 1000 | 77.5 | 78.8 | 79.3 | 80.5 | 81.3 | 82.9 | 83.5 | 85.5 | 87.3 | 88.9 | 88.2 | 85.8 | 82.4 | 79.9 | | | | | | | 144.2 |
| TWET 53. DEG F | 1250 | 76.1 | 77.8 | 78.1 | 78.9 | 80.4 | 81.3 | 82.1 | 84.4 | 86.0 | 87.3 | 86.8 | 83.4 | 80.8 | 80.2 | | | | | | | 142.9 |
| (283. DEG K) | 1600 | 74.7 | 76.5 | 76.8 | 78.0 | 79.2 | 79.9 | 81.7 | 83.3 | 84.3 | 85.9 | 84.0 | 82.7 | 81.4 | 82.6 | | | | | | | 141.6 |
| HACT 8.91 GM/M3 | 2000 | 72.0 | 74.1 | 75.1 | 75.9 | 77.6 | 78.1 | 79.9 | 81.4 | 82.2 | 83.6 | 82.3 | 80.1 | 78.1 | 78.2 | | | | | | | 139.9 |
| (00891 KG/M3) | 2500 | 69.4 | 72.2 | 72.4 | 74.0 | 74.8 | 75.7 | 77.6 | 79.4 | 80.0 | 80.7 | 80.4 | 79.4 | 78.2 | 79.0 | | | | | | | 138.2 |
| FREQ. SHIFT | 3150 | 67.7 | 70.9 | 70.9 | 72.5 | 72.0 | 73.7 | 76.6 | 77.9 | 78.4 | 79.2 | 77.7 | 81.1 | 80.9 | 82.1 | | | | | | | 138.0 |
| JET 9 | 4000 | 64.5 | 69.1 | 68.9 | 70.1 | 69.9 | 71.4 | 74.3 | 75.4 | 75.1 | 76.3 | 76.0 | 79.1 | 78.9 | 80.5 | | | | | | | 136.4 |
| DIAMETER RATIO | 5000 | 62.5 | 66.4 | 66.4 | 67.7 | 66.8 | 67.6 | 72.8 | 73.7 | 73.5 | 75.1 | 74.0 | 79.2 | 78.9 | 81.7 | | | | | | | 136.0 |
| DP/CM 8.00 | 6300 | 62.1 | 64.8 | 64.3 | 66.6 | 65.3 | 66.1 | 72.9 | 74.6 | 72.8 | 77.0 | 74.7 | 82.2 | 80.8 | 84.1 | | | | | | | 138.9 |
| OVERALL CALCULATED | 8000 | 62.8 | 65.3 | 64.2 | 66.7 | 65.5 | 66.5 | 74.7 | 77.0 | 74.5 | 78.9 | 76.7 | 84.6 | 83.6 | 87.1 | | | | | | | 143.2 |
| PNOB | 10000 | 64.7 | 66.3 | 65.1 | 68.1 | 67.3 | 68.4 | 77.2 | 79.2 | 76.3 | 81.8 | 78.7 | 87.4 | 85.9 | 89.1 | | | | | | | 148.2 |
| | | 96.4 | 96.0 | 96.2 | 96.3 | 97.1 | 98.5 | 99.7 | 101.8 | 103.5 | 107.1 | 109.6 | 112.9 | 113.8 | 114.5 | | | | | | | 166.1 |
| | | 100.6 | 101.5 | 101.7 | 102.7 | 103.4 | 104.7 | 106.5 | 108.4 | 109.6 | 112.7 | 113.7 | 115.1 | 114.7 | 116.2 | | | | | | | 167.4 |

1134

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DBG. F, 70 PERCENT R=L, HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 80.1 | 59.9 | 62.0 | 64.7 | 65.9 | 66.7 | 69.2 | 71.0 | 73.6 | 77.4 | 77.7 | 82.4 | 81.6 | 78.6 | | | |
| SIDELINE 2400; FT | 63 | 83.4 | 64.9 | 65.7 | 65.3 | 66.0 | 68.3 | 69.8 | 71.6 | 72.9 | 75.5 | 77.9 | 84.0 | 83.4 | 75.9 | | | |
| (731.52 M) | 80 | 84.0 | 65.0 | 66.6 | 66.7 | 67.9 | 68.9 | 70.9 | 72.5 | 74.4 | 76.4 | 80.6 | 84.3 | 83.4 | 80.5 | | | |
| NFA 0: RPM | 100 | 83.0 | 64.8 | 67.2 | 67.1 | 68.9 | 69.6 | 70.6 | 74.2 | 74.7 | 77.9 | 80.2 | 81.9 | 80.8 | 81.7 | | | |
| (0: RAD/SEC) | 125 | 64.0 | 64.7 | 66.7 | 67.5 | 68.6 | 70.7 | 72.5 | 73.8 | 75.2 | 78.9 | 80.1 | 81.2 | 80.0 | 77.9 | | | |
| NFK 0: RPM | 160 | 61.7 | 63.8 | 65.9 | 67.2 | 68.7 | 70.3 | 72.0 | 73.6 | 74.6 | 78.1 | 80.6 | 80.4 | 77.9 | 73.1 | | | |
| (0: RAD/SEC) | 200 | 59.8 | 62.9 | 64.6 | 66.3 | 68.2 | 70.8 | 71.7 | 73.5 | 74.5 | 77.3 | 79.0 | 77.2 | 74.1 | 69.0 | | | |
| NFD 0: RPM | 250 | 59.3 | 62.1 | 63.0 | 66.8 | 68.4 | 70.3 | 70.6 | 72.5 | 74.2 | 76.6 | 78.2 | 75.8 | 71.3 | 65.9 | | | |
| (0: RAD/SEC) | 315 | 57.4 | 60.8 | 63.3 | 64.0 | 66.2 | 68.4 | 69.6 | 71.4 | 72.8 | 75.8 | 75.3 | 74.2 | 68.0 | 61.7 | | | |
| AIRFLOW RATIO | 400 | 55.1 | 59.3 | 61.3 | 63.7 | 65.4 | 67.7 | 68.3 | 70.7 | 71.9 | 74.6 | 73.9 | 71.7 | 65.6 | 58.6 | | | |
| WF/WH 8.00 | 500 | 52.9 | 57.4 | 59.7 | 61.8 | 64.0 | 66.2 | 67.4 | 69.3 | 70.9 | 72.7 | 71.5 | 68.3 | 61.6 | 54.1 | | | |
| | 630 | 52.0 | 55.6 | 58.1 | 60.2 | 62.5 | 64.6 | 66.5 | 68.5 | 69.8 | 71.8 | 69.7 | 66.2 | 58.7 | 50.7 | | | |
| | 800 | 49.3 | 54.5 | 56.9 | 59.3 | 61.2 | 63.6 | 64.7 | 66.5 | 67.4 | 69.3 | 67.5 | 62.9 | 56.1 | 46.7 | | | |
| VEHICLE JENOTS | 1000 | 47.4 | 52.4 | 53.4 | 58.2 | 60.0 | 62.1 | 63.0 | 64.7 | 66.0 | 66.6 | 64.3 | 59.4 | 52.3 | 43.3 | | | |
| CCNFIG JE-053 | 1250 | 44.3 | 50.2 | 53.1 | 55.6 | 58.2 | 59.7 | 60.8 | 62.9 | 63.9 | 64.0 | 61.8 | 55.7 | 49.0 | 41.0 | | | |
| LOC EVENDALE | 1600 | 40.4 | 47.0 | 50.3 | 53.4 | 55.8 | 57.2 | 59.2 | 60.6 | 60.9 | 61.3 | 57.5 | 53.2 | 47.2 | 39.7 | | | |
| DATE 04-04-75 | 2000 | 34.9 | 42.4 | 46.7 | 49.7 | 52.7 | 54.0 | 56.1 | 57.4 | 57.4 | 57.4 | 53.9 | 48.4 | 40.9 | 31.0 | | | |
| RUN DBTF- R.436 | 2500 | 28.1 | 37.3 | 41.5 | 45.5 | 47.8 | 49.7 | 51.8 | 53.3 | 53.1 | 52.2 | 49.4 | 44.5 | 36.9 | 25.6 | | | |
| TAPE X30480 | 3150 | 19.6 | 30.8 | 35.6 | 40.3 | 41.7 | 44.5 | 47.7 | 48.7 | 48.1 | 47.0 | 42.4 | 41.0 | 32.9 | 18.6 | | | |
| FAN TIP SPEED | 4000 | 6.4 | 21.3 | 27.3 | 32.4 | 34.6 | 37.4 | 40.7 | 41.5 | 39.8 | 38.6 | 34.4 | 31.3 | 20.7 | 1.9 | | | |
| FT/SEC | 5000 | | 14.2 | 21.2 | 26.8 | 28.6 | 30.8 | 36.5 | 36.9 | 35.3 | 34.2 | 28.8 | 27.0 | 14.9 | | | | |
| | 6300 | | | 8.3 | 16.3 | 18.5 | 21.2 | 28.6 | 29.7 | 26.0 | 26.7 | 18.7 | 16.9 | | | | | |
| | 8000 | | | | 1.9 | 5.5 | 9.1 | 18.2 | 19.7 | 14.5 | 14.1 | 4.1 | | | | | | |
| | 10000 | | | | | | | 3.6 | 4.5 | | | | | | | | | |
| OVERALL CALCULATED | | 71.7 | 73.6 | 75.4 | 76.6 | 78.2 | 80.0 | 81.3 | 83.2 | 84.6 | 87.4 | 89.0 | 90.9 | 89.6 | 86.7 | | | |
| PND8 | | 70.5 | 74.3 | 76.8 | 79.2 | 81.2 | 83.2 | 84.5 | 86.5 | 87.6 | 89.8 | 90.3 | 89.5 | 86.5 | 83.6 | | | |

1135

Model18

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT RFL, 101, DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| | | 50 | 83.7 | 81.0 | 81.8 | 83.7 | 84.4 | 84.5 | 87.6 | 89.1 | 92.6 | 97.1 | 98.5 | 104.3 | 106.0 | 105.0 | | | | 156.8 |
| | NO EGA | 63 | 87.3 | 86.8 | 86.6 | 85.0 | 86.0 | 86.4 | 87.7 | 90.2 | 91.9 | 95.2 | 99.0 | 105.9 | 106.6 | 104.3 | | | | 157.3 |
| | RDG. NO. 0. | 80 | 88.1 | 87.7 | 87.0 | 86.2 | 87.0 | 87.3 | 89.9 | 91.9 | 93.9 | 96.5 | 102.5 | 107.6 | 108.9 | 107.3 | | | | 159.5 |
| | RADIAL 320. FT. | 100 | 88.0 | 87.2 | 88.4 | 87.8 | 88.3 | 88.3 | 89.4 | 92.4 | 93.8 | 97.5 | 101.7 | 105.5 | 105.0 | 110.5 | | | | 158.8 |
| | (98. 4) | 125 | 88.1 | 86.9 | 88.3 | 87.9 | 88.3 | 89.9 | 91.2 | 93.1 | 95.4 | 99.1 | 103.0 | 106.4 | 106.9 | 106.4 | | | | 158.0 |
| | VEHICLE JENOTS | 160 | 88.5 | 86.7 | 87.6 | 87.8 | 88.5 | 89.7 | 91.7 | 93.0 | 95.0 | 98.4 | 102.4 | 104.0 | 104.5 | 103.0 | | | | 157.0 |
| | CCNFIG JE-053 | 200 | 85.9 | 86.8 | 86.5 | 87.0 | 88.6 | 89.8 | 91.6 | 93.5 | 95.1 | 97.8 | 101.4 | 101.8 | 101.4 | 100.0 | | | | 155.4 |
| | LOC EVENDALE | 250 | 85.7 | 85.7 | 85.1 | 87.2 | 88.6 | 89.7 | 90.1 | 92.7 | 94.8 | 97.2 | 100.0 | 100.4 | 98.4 | 97.1 | | | | 154.0 |
| | DATE 04-04-75 | 315 | 84.2 | 84.9 | 85.1 | 85.4 | 86.7 | 88.3 | 89.8 | 92.3 | 94.7 | 96.7 | 97.9 | 98.3 | 96.3 | 93.9 | | | | 152.6 |
| | RUN DBTF- R.436 | 400 | 82.5 | 83.6 | 84.5 | 85.4 | 86.3 | 87.8 | 88.8 | 91.1 | 93.0 | 96.3 | 96.7 | 96.4 | 94.3 | 92.1 | | | | 151.4 |
| | TAPE X80490 | 500 | 81.0 | 82.8 | 83.8 | 84.2 | 85.7 | 87.2 | 88.2 | 90.5 | 92.7 | 94.7 | 94.9 | 93.7 | 91.2 | 89.1 | | | | 149.9 |
| | BAR 29.9 HG | 630 | 80.4 | 81.4 | 82.0 | 82.7 | 84.2 | 85.7 | 87.7 | 90.2 | 92.0 | 94.4 | 93.6 | 92.0 | 88.4 | 86.0 | | | | 148.9 |
| | (01039, N/M2) | 800 | 80.1 | 80.7 | 81.4 | 82.7 | 84.0 | 85.1 | 86.5 | 89.0 | 91.1 | 92.3 | 92.0 | 89.8 | 86.7 | 83.2 | | | | 147.5 |
| | TAMB 59. DEG F | 1000 | 78.1 | 79.9 | 80.2 | 81.7 | 83.2 | 84.2 | 85.4 | 87.8 | 89.4 | 90.8 | 89.8 | 87.6 | 84.5 | 80.8 | | | | 146.1 |
| | (288, DEG K) | 1250 | 77.0 | 79.0 | 79.7 | 80.8 | 82.5 | 83.2 | 84.5 | 86.6 | 88.7 | 89.2 | 87.9 | 84.8 | 82.0 | 78.1 | | | | 144.8 |
| | TWET 53. DEG F | 1600 | 76.1 | 77.6 | 78.2 | 79.7 | 81.1 | 81.3 | 82.9 | 85.5 | 86.7 | 87.0 | 86.2 | 82.4 | 79.1 | 76.2 | | | | 143.2 |
| | (285, DEG K) | 2000 | 73.5 | 75.3 | 76.1 | 77.4 | 79.5 | 79.8 | 81.2 | 83.7 | 85.0 | 85.6 | 83.8 | 80.1 | 76.3 | 72.2 | | | | 141.6 |
| | HACT 8.91 QM/M3 | 2500 | 71.5 | 73.5 | 74.2 | 75.5 | 76.5 | 77.5 | 78.8 | 80.9 | 82.5 | 82.5 | 81.4 | 76.9 | 74.0 | 71.0 | | | | 139.3 |
| | (.00891 KG/M3) | 3150 | 69.1 | 71.6 | 72.3 | 73.7 | 74.2 | 75.0 | 76.4 | 78.4 | 80.1 | 79.9 | 78.6 | 75.3 | 73.1 | 72.1 | | | | 137.4 |
| | FREQ. SHIFT | 4000 | 65.9 | 68.2 | 69.3 | 70.2 | 70.6 | 72.1 | 73.7 | 75.9 | 76.8 | 77.2 | 76.1 | 72.7 | 71.8 | 70.9 | | | | 135.3 |
| | JET 9 | 5000 | 63.9 | 66.6 | 67.1 | 68.9 | 68.7 | 68.7 | 69.7 | 72.1 | 74.2 | 74.0 | 74.0 | 72.1 | 70.6 | 72.1 | | | | 133.1 |
| | DIAHETER RATIO | 6300 | 62.8 | 65.3 | 65.0 | 67.1 | 66.5 | 66.8 | 66.8 | 69.5 | 73.3 | 73.2 | 74.7 | 74.4 | 72.5 | 74.3 | | | | 133.9 |
| | DF/DH 8.00 | 8000 | 63.3 | 65.3 | 64.4 | 67.6 | 66.4 | 66.2 | 65.4 | 69.2 | 74.2 | 74.6 | 76.1 | 76.6 | 74.5 | 76.9 | | | | 137.1 |
| | | 10000 | 64.9 | 66.0 | 65.3 | 68.6 | 67.8 | 67.7 | 66.5 | 70.2 | 76.1 | 77.1 | 78.4 | 78.9 | 76.9 | 78.9 | | | | 141.8 |
| | OVERALL CALCULATED | | 77.1 | 96.8 | 97.3 | 97.5 | 98.5 | 99.6 | 101.1 | 103.2 | 105.3 | 108.1 | 111.1 | 114.3 | 114.8 | 115.0 | | | | 167.2 |
| | PND8 | | 101.7 | 102.4 | 102.9 | 103.9 | 105.1 | 105.9 | 107.2 | 109.5 | 111.6 | 113.6 | 115.0 | 115.8 | 115.2 | 115.5 | | | | 160.5 |

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Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT RFL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 59.8 | 59.4 | 61.8 | 64.7 | 66.2 | 66.7 | 69.9 | 71.3 | 74.3 | 78.1 | 78.5 | 82.7 | 82.1 | 78.3 | | | | | |
| | NO EGA | 63 | 63.4 | 65.2 | 66.5 | 66.0 | 67.7 | 68.5 | 70.0 | 72.4 | 73.7 | 76.2 | 78.9 | 84.2 | 82.6 | 76.9 | | | | | |
| SIDELINE 2400 FT. | 80 | 64.0 | 66.0 | 66.8 | 67.2 | 68.7 | 69.4 | 72.1 | 74.0 | 75.6 | 77.4 | 82.3 | 85.0 | 84.9 | 79.7 | | | | | | |
| (731.52 M) | 100 | 63.8 | 65.3 | 68.2 | 68.7 | 69.9 | 70.3 | 71.6 | 74.4 | 75.4 | 78.4 | 81.5 | 83.7 | 80.8 | 82.7 | | | | | | |
| NFA | 0. RPM | 125 | 63.7 | 64.9 | 68.0 | 68.7 | 69.8 | 71.9 | 73.3 | 75.1 | 77.0 | 79.9 | 82.7 | 84.5 | 82.5 | 78.4 | | | | | |
| (| 0. RAD/SEC) | 160 | 64.0 | 64.6 | 67.2 | 68.5 | 69.9 | 71.6 | 73.7 | 74.8 | 76.4 | 79.1 | 81.9 | 81.9 | 79.9 | 74.6 | | | | | |
| NFK | 0. RPM | 200 | 61.0 | 64.5 | 65.8 | 67.6 | 69.9 | 71.6 | 73.5 | 75.3 | 76.5 | 78.3 | 80.8 | 79.4 | 76.6 | 71.3 | | | | | |
| (| 0. RAD/SEC) | 250 | 60.5 | 63.1 | 64.3 | 67.6 | 69.7 | 71.3 | 71.9 | 74.3 | 76.0 | 77.6 | 79.2 | 77.8 | 73.3 | 67.9 | | | | | |
| NFD | 0. RPM | 315 | 58.6 | 62.1 | 64.1 | 65.5 | 67.7 | 69.7 | 71.4 | 73.7 | 75.6 | 76.9 | 76.8 | 75.4 | 70.7 | 64.0 | | | | | |
| (| 0. RAD/SEC) | 400 | 56.4 | 60.3 | 63.1 | 65.3 | 67.0 | 69.0 | 70.1 | 72.3 | 73.7 | 76.2 | 75.2 | 73.0 | 68.2 | 61.4 | | | | | |
| AIRFLOW RATIO | 500 | 54.3 | 59.0 | 62.0 | 63.6 | 66.1 | 68.0 | 69.2 | 71.4 | 73.0 | 74.2 | 73.1 | 69.8 | 64.4 | 57.4 | | | | | | |
| WF/KH 8.00 | 630 | 52.8 | 57.0 | 59.6 | 61.7 | 64.1 | 66.2 | 68.3 | 70.6 | 71.9 | 73.4 | 71.2 | 67.6 | 60.8 | 53.0 | | | | | | |
| | 800 | 51.3 | 55.3 | 58.2 | 61.1 | 63.3 | 64.9 | 66.6 | 68.9 | 70.5 | 70.7 | 68.9 | 64.5 | 57.9 | 48.5 | | | | | | |
| VEHICLE | JENOTS | 1000 | 48.0 | 53.6 | 56.2 | 59.3 | 61.8 | 63.5 | 64.8 | 67.1 | 68.1 | 68.4 | 65.9 | 61.3 | 54.4 | 44.1 | | | | | |
| CONFIG | JE-053 | 1250 | 45.2 | 51.3 | 54.7 | 57.5 | 60.3 | 61.6 | 63.2 | 65.0 | 66.5 | 65.9 | 62.9 | 57.1 | 50.2 | 38.9 | | | | | |
| LOC | EVENDALE | 1600 | 41.9 | 48.1 | 51.7 | 55.1 | 57.7 | 58.6 | 60.4 | 62.8 | 63.3 | 62.4 | 59.6 | 52.9 | 44.8 | 33.4 | | | | | |
| DATE | 04-04-75 | 2000 | 36.4 | 43.6 | 47.7 | 51.2 | 54.7 | 55.8 | 57.4 | 59.6 | 60.1 | 59.4 | 55.4 | 48.4 | 39.2 | 25.0 | | | | | |
| RUN | CBTF- R-436 | 2500 | 30.2 | 38.6 | 43.2 | 47.0 | 49.6 | 51.4 | 53.1 | 54.8 | 55.6 | 54.0 | 50.4 | 42.0 | 32.6 | 17.6 | | | | | |
| TAPE | XB0490 | 3150 | 21.1 | 31.6 | 37.1 | 41.5 | 43.9 | 45.7 | 47.5 | 49.1 | 49.8 | 47.8 | 43.4 | 35.3 | 25.1 | 8.6 | | | | | |
| FAN TIP SPEED | 4000 | | 7.8 | 20.5 | 27.7 | 32.6 | 35.3 | 38.1 | 40.1 | 41.9 | 41.5 | 39.5 | 34.6 | 25.0 | 13.6 | | | | | | |
| | FT/SEC | 5000 | | 14.4 | 21.8 | 28.0 | 30.5 | 32.0 | 33.4 | 35.3 | 36.0 | 33.1 | 28.7 | 19.9 | 6.6 | | | | | | |
| | 6300 | | | | 9.0 | 16.8 | 19.7 | 21.9 | 22.5 | 24.6 | 26.5 | 22.8 | 18.6 | 9.1 | | | | | | | |
| | 8000 | | | | | 2.9 | 6.5 | 8.8 | 8.9 | 11.9 | 14.2 | 9.8 | 3.5 | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 72.4 | 74.3 | 76.4 | 77.7 | 79.5 | 81.0 | 82.6 | 84.6 | 86.2 | 88.5 | 90.5 | 92.4 | 90.6 | 87.1 | | | | | |
| PND8 | | | 71.8 | 75.6 | 78.2 | 80.5 | 82.7 | 84.4 | 86.0 | 88.1 | 89.7 | 91.2 | 91.8 | 91.4 | 88.3 | 84.6 | | | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F, 70 PERCENT REL. HUM., DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 84.9 | 83.0 | 82.8 | 84.4 | 85.2 | 86.5 | 88.6 | 89.8 | 93.1 | 97.8 | 99.3 | 105.3 | 106.0 | 106.9 | | | 157.5 | |
| | | 63 | 90.6 | 88.8 | 88.6 | 86.8 | 87.2 | 88.6 | 89.2 | 92.0 | 92.9 | 96.7 | 100.0 | 107.9 | 108.8 | 105.8 | | | 159.2 | |
| NO EGA | | 80 | 90.8 | 89.5 | 89.0 | 88.2 | 88.5 | 89.0 | 91.1 | 92.4 | 95.4 | 98.7 | 104.0 | 109.3 | 109.9 | 111.6 | | | 161.5 | |
| REG. NO. 0. | | 100 | 90.0 | 89.9 | 90.1 | 89.5 | 89.5 | 90.0 | 90.9 | 93.9 | 95.3 | 99.5 | 102.7 | 106.8 | 107.0 | 111.7 | | | 160.2 | |
| RADIAL 320. FT. | | 125 | 90.1 | 89.4 | 89.8 | 89.4 | 89.5 | 91.7 | 92.7 | 94.3 | 96.1 | 100.8 | 104.0 | 106.9 | 108.4 | 110.4 | | | 160.5 | |
| (98. M) | | 160 | 89.0 | 89.0 | 88.9 | 89.1 | 89.7 | 91.0 | 92.2 | 94.2 | 95.9 | 100.2 | 104.4 | 105.5 | 106.4 | 105.5 | | | 158.8 | |
| VEHICLE JENOTS | | 200 | 86.8 | 86.3 | 86.2 | 88.0 | 89.4 | 91.0 | 92.1 | 94.0 | 95.9 | 99.3 | 102.4 | 103.0 | 102.9 | 102.3 | | | 156.6 | |
| CONFIG J2-053 | | 250 | 86.7 | 86.4 | 86.1 | 88.5 | 89.5 | 90.9 | 91.3 | 93.4 | 95.3 | 98.9 | 101.5 | 101.1 | 99.7 | 99.1 | | | 155.2 | |
| LCC EVEUALE | | 315 | 84.7 | 85.7 | 86.4 | 85.8 | 87.0 | 89.5 | 90.6 | 92.3 | 94.0 | 98.2 | 98.9 | 99.6 | 97.5 | 95.6 | | | 153.6 | |
| DATE 04-04-75 | | 400 | 83.5 | 84.8 | 85.0 | 85.6 | 86.8 | 88.5 | 89.2 | 91.6 | 93.5 | 97.3 | 97.4 | 97.3 | 95.8 | 94.1 | | | 152.2 | |
| RUN DBTF- R436 | | 500 | 82.0 | 83.0 | 83.5 | 84.6 | 85.4 | 87.9 | 88.9 | 90.5 | 93.3 | 95.7 | 95.8 | 95.1 | 91.3 | 90.1 | | | 150.7 | |
| TAPE X80500 | | 630 | 80.6 | 81.6 | 81.9 | 83.4 | 84.9 | 86.7 | 88.1 | 90.1 | 92.2 | 94.8 | 94.8 | 93.0 | 88.6 | 86.9 | | | 149.5 | |
| BAR 29.9 HG | | 800 | 79.8 | 81.8 | 82.0 | 82.9 | 84.1 | 86.2 | 86.9 | 89.4 | 91.1 | 93.2 | 92.6 | 90.4 | 86.1 | 84.8 | | | 148.1 | |
| (01039. N/M2) | | 1000 | 78.8 | 80.3 | 80.6 | 81.5 | 83.3 | 84.9 | 85.5 | 88.0 | 89.0 | 91.7 | 91.0 | 88.3 | 84.4 | 82.9 | | | 146.5 | |
| TAMB 59. DEG F | | 1250 | 76.9 | 79.1 | 79.8 | 80.7 | 82.1 | 83.5 | 84.6 | 86.9 | 87.8 | 89.5 | 88.8 | 85.9 | 82.8 | 82.2 | | | 145.0 | |
| (288. DEG K) | | 1600 | 75.4 | 77.7 | 78.6 | 79.5 | 81.2 | 81.7 | 84.0 | 85.1 | 86.3 | 88.1 | 86.8 | 84.2 | 82.2 | 83.3 | | | 143.8 | |
| TWET 53. DEG F | | 2000 | 73.5 | 76.1 | 76.6 | 77.9 | 79.1 | 80.6 | 81.9 | 83.7 | 84.5 | 86.1 | 84.5 | 82.1 | 79.1 | 79.4 | | | 142.0 | |
| (285. DEG K) | | 2500 | 70.9 | 74.0 | 74.2 | 75.7 | 76.3 | 78.0 | 80.1 | 80.9 | 82.0 | 83.2 | 83.4 | 80.9 | 78.4 | 79.5 | | | 140.2 | |
| HACT 8.91 GH/M3 | | 3150 | 68.7 | 72.6 | 72.6 | 74.0 | 74.2 | 75.2 | 78.4 | 79.1 | 79.9 | 80.9 | 82.9 | 81.6 | 81.4 | 82.1 | | | 139.7 | |
| (1.00891 KG/M3) | | 4000 | 66.0 | 71.6 | 70.9 | 71.6 | 71.9 | 73.4 | 76.3 | 77.2 | 76.8 | 78.6 | 81.7 | 79.8 | 79.1 | 80.0 | | | 138.4 | |
| FREQ. SHIFT | | 5000 | 63.7 | 68.9 | 68.4 | 69.5 | 69.0 | 69.8 | 73.8 | 74.4 | 74.5 | 76.3 | 81.8 | 79.2 | 79.2 | 81.9 | | | 137.8 | |
| JET 9 | | 6300 | 62.4 | 66.8 | 65.8 | 67.6 | 66.6 | 67.1 | 74.1 | 74.8 | 73.6 | 78.2 | 83.7 | 82.7 | 81.3 | 84.4 | | | 140.8 | |
| DIAMETER RATIO | | 8000 | 63.6 | 66.0 | 64.4 | 67.7 | 67.0 | 66.0 | 74.9 | 77.0 | 74.2 | 79.6 | 85.9 | 84.6 | 83.8 | 86.6 | | | 144.6 | |
| DF/CM 8.00 | | 10000 | 64.7 | 66.5 | 65.1 | 68.6 | 68.3 | 67.7 | 77.2 | 79.2 | 76.3 | 83.3 | 88.2 | 87.7 | 86.7 | 89.1 | | | 149.9 | |
| OVERALL CALCULATED | | | 98.7 | 98.5 | 98.6 | 98.6 | 99.4 | 100.9 | 102.0 | 104.0 | 105.9 | 109.6 | 112.4 | 115.7 | 116.2 | 117.5 | | | 168.7 | |
| | | | | | | | | | | | | | | | | | | | 1.3 | |
| | | | | | | | | | | | | | | | | | | | 170.0 | |

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | 0, 0, 0. | | |
|--------------------|-------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|----------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 61.1 | 61.4 | 62.8 | 65.5 | 66.9 | 68.7 | 70.9 | 72.0 | 74.8 | 78.9 | 79.2 | 83.7 | 82.1 | 79.6 | | | | | | |
| | NO EGA | 63 | 66.6 | 67.2 | 68.5 | 67.8 | 69.0 | 70.8 | 71.5 | 74.1 | 74.7 | 77.7 | 79.9 | 86.2 | 84.9 | 78.4 | | | | | | |
| SIDELINE 2400' FT. | 80 | 66.8 | 67.7 | 68.8 | 69.2 | 70.2 | 71.1 | 73.4 | 74.5 | 77.1 | 79.7 | 83.8 | 87.6 | 85.9 | 84.0 | | | | | | | |
| | (731.52 M) | 100 | 65.8 | 68.1 | 69.9 | 70.4 | 71.1 | 72.1 | 73.1 | 75.9 | 76.9 | 80.4 | 82.5 | 84.9 | 82.8 | 83.9 | | | | | | |
| NFA | 0. RPM | 125 | 65.7 | 67.4 | 69.4 | 70.2 | 71.1 | 73.7 | 74.8 | 76.3 | 77.7 | 81.7 | 83.6 | 85.0 | 84.0 | 82.4 | | | | | | |
| (| 0. RAD/SEC) | 160 | 64.5 | 66.8 | 68.4 | 69.7 | 71.2 | 72.8 | 74.2 | 76.1 | 77.4 | 80.8 | 83.9 | 83.4 | 81.9 | 77.1 | | | | | | |
| NFK | 0. RPM | 200 | 62.0 | 65.9 | 67.6 | 68.6 | 70.7 | 72.8 | 74.0 | 75.8 | 77.2 | 79.8 | 81.7 | 80.7 | 78.1 | 73.5 | | | | | | |
| (| 0. RAD/SEC) | 250 | 61.5 | 63.8 | 65.3 | 68.8 | 70.7 | 72.5 | 73.1 | 75.0 | 76.5 | 79.3 | 80.7 | 78.5 | 74.5 | 69.9 | | | | | | |
| NFD | 0. RPM | 315 | 59.1 | 62.8 | 65.3 | 66.0 | 67.9 | 70.9 | 72.1 | 73.7 | 75.8 | 78.3 | 77.8 | 76.7 | 72.0 | 65.7 | | | | | | |
| (| 0. RAD/SEC) | 400 | 57.4 | 61.5 | 63.5 | 65.5 | 67.4 | 69.7 | 70.5 | 72.7 | 74.2 | 77.1 | 75.9 | 74.0 | 69.6 | 63.4 | | | | | | |
| AIRFLOW RATIO | 500 | 55.2 | 59.2 | 61.7 | 64.1 | 65.8 | 68.7 | 69.9 | 71.3 | 73.7 | 75.2 | 74.0 | 71.3 | 64.6 | 58.4 | | | | | | | |
| WF/WB 8.00 | 630 | 53.0 | 57.1 | 59.6 | 62.4 | 64.8 | 67.1 | 68.7 | 70.5 | 72.1 | 73.8 | 72.4 | 68.5 | 61.0 | 54.0 | | | | | | | |
| | 800 | 51.0 | 56.5 | 58.9 | 61.2 | 63.5 | 66.1 | 67.6 | 69.3 | 70.4 | 71.6 | 69.5 | 65.1 | 57.3 | 50.2 | | | | | | | |
| VEHICLE | JENOTS | 1000 | 48.6 | 53.9 | 56.6 | 59.2 | 62.0 | 64.1 | 65.0 | 67.2 | 67.7 | 69.3 | 67.0 | 61.0 | 54.3 | 46.3 | | | | | | |
| CCNFIC | JE-053 | 1250 | 45.1 | 51.4 | 54.8 | 57.4 | 59.9 | 62.0 | 63.3 | 65.4 | 65.6 | 66.3 | 63.8 | 58.2 | 51.0 | 43.0 | | | | | | |
| LOC | EVENDALE | 1600 | 41.2 | 48.2 | 52.0 | 54.9 | 57.8 | 59.0 | 61.5 | 62.4 | 62.9 | 63.5 | 60.2 | 54.7 | 47.9 | 40.5 | | | | | | |
| DATE | 04-04-75 | 2000 | 36.4 | 44.4 | 48.2 | 51.7 | 54.2 | 56.5 | 58.1 | 59.6 | 59.6 | 59.9 | 56.2 | 50.4 | 41.9 | 32.3 | | | | | | |
| RLN | DBTF- R-436 | 2500 | 29.6 | 39.1 | 43.2 | 47.3 | 49.3 | 51.9 | 54.3 | 54.8 | 55.1 | 54.7 | 52.4 | 46.0 | 37.1 | 26.1 | | | | | | |
| TAPE | X80500 | 3150 | 20.6 | 32.6 | 37.4 | 41.8 | 43.9 | 46.0 | 49.5 | 49.9 | 49.6 | 48.8 | 47.7 | 41.5 | 33.4 | 18.6 | | | | | | |
| FAN TIP SPEED | 4000 | 7.9 | 23.8 | 29.3 | 33.9 | 36.6 | 39.4 | 42.7 | 43.2 | 41.5 | 40.9 | 40.2 | 32.1 | 21.0 | 1.4 | | | | | | | |
| | FT/SEC | 5000 | | 16.7 | 23.2 | 28.6 | 30.8 | 33.1 | 37.5 | 37.7 | 36.3 | 35.4 | 36.6 | 27.0 | 15.2 | | | | | | | |
| | 6300 | | 1.6 | 9.8 | 17.3 | 19.8 | 22.2 | 29.8 | 29.9 | 26.8 | 27.9 | 27.7 | 17.4 | 0.1 | | | | | | | | |
| | 8000 | | | | 2.9 | 7.0 | 8.6 | 18.4 | 19.7 | 14.3 | 14.9 | 13.3 | | | | | | | | | | |
| | 10000 | | | | | | 3.6 | 4.5 | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 74.2 | 76.1 | 77.8 | 79.0 | 80.4 | 82.3 | 83.6 | 85.4 | 87.0 | 90.0 | 91.8 | 93.7 | 92.0 | 89.6 | | | | | | |
| PNOB | | | 72.8 | 76.8 | 79.1 | 81.4 | 83.4 | 85.6 | 86.9 | 88.7 | 90.0 | 92.4 | 93.1 | 92.6 | 89.8 | 86.7 | | | | | | |

1139

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

876

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0. 0. 0. PHL | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--------------|--|--|
| REV: ALPHA 12/73 | FREQ: | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | 50 | 84.9 | 83.0 | 83.8 | 85.7 | 86.4 | 87.5 | 89.6 | 91.1 | 93.8 | 98.6 | 99.8 | 105.5 | 107.5 | 106.6 | | | | 158.1 | | |
| RDG. NO. 0. | 63 | 89.1 | 88.6 | 88.6 | 87.0 | 87.5 | 89.1 | 90.2 | 92.5 | 93.9 | 98.2 | 101.2 | 108.6 | 109.3 | 105.6 | | | | 159.8 | | |
| RADIAL 320. FT. | 80 | 91.1 | 90.0 | 89.5 | 89.0 | 89.5 | 90.5 | 91.6 | 93.9 | 96.4 | 99.5 | 104.7 | 110.1 | 110.9 | 109.1 | | | | 161.7 | | |
| (98. M) | 100 | 90.7 | 89.7 | 90.9 | 89.8 | 90.5 | 91.0 | 91.7 | 95.4 | 96.3 | 101.0 | 104.5 | 107.3 | 107.7 | 112.5 | | | | 161.1 | | |
| VEHICLE JENOTS | 125 | 91.8 | 89.1 | 90.0 | 90.2 | 90.8 | 91.9 | 93.4 | 95.3 | 97.6 | 102.6 | 105.2 | 107.2 | 107.9 | 108.4 | | | | 160.4 | | |
| CONFIG JE*053 | 160 | 89.8 | 89.5 | 89.6 | 90.1 | 90.7 | 92.0 | 93.7 | 95.0 | 97.4 | 101.2 | 105.1 | 106.3 | 106.2 | 104.7 | | | | 159.2 | | |
| LOC EVENDALE | 200 | 87.6 | 88.8 | 88.2 | 89.3 | 90.4 | 92.0 | 93.3 | 95.5 | 96.6 | 100.0 | 103.4 | 103.2 | 102.4 | 101.0 | | | | 157.1 | | |
| DATE 04-04-75 | 250 | 87.7 | 87.9 | 87.1 | 89.5 | 90.3 | 92.2 | 92.3 | 94.9 | 96.5 | 99.7 | 102.2 | 102.3 | 100.2 | 98.6 | | | | 156.1 | | |
| RUN DBTF- R436 | 315 | 86.2 | 86.9 | 87.4 | 87.1 | 88.2 | 90.0 | 91.1 | 94.3 | 96.2 | 99.4 | 100.1 | 100.3 | 97.3 | 95.1 | | | | 154.6 | | |
| TAPE X80510 | 400 | 84.7 | 86.1 | 86.5 | 87.4 | 88.0 | 90.0 | 90.2 | 93.1 | 94.5 | 98.0 | 98.9 | 98.6 | 95.5 | 93.6 | | | | 153.3 | | |
| BAR 29.9 HG | 500 | 83.0 | 84.5 | 84.8 | 85.9 | 87.7 | 89.4 | 89.7 | 92.5 | 94.3 | 96.9 | 96.8 | 95.6 | 92.1 | 90.1 | | | | 151.8 | | |
| (01039. N/H2) | 630 | 82.1 | 84.1 | 83.9 | 84.9 | 86.1 | 87.9 | 88.4 | 91.6 | 93.9 | 96.1 | 95.8 | 94.0 | 90.3 | 87.2 | | | | 150.8 | | |
| TAHR 59. DEG F | 800 | 81.3 | 83.6 | 83.8 | 85.6 | 86.1 | 87.7 | 88.2 | 90.6 | 92.3 | 94.4 | 94.1 | 92.2 | 89.3 | 85.6 | | | | 149.6 | | |
| (288. DEG K) | 1000 | 80.3 | 82.6 | 83.3 | 84.3 | 85.3 | 86.6 | 87.3 | 89.7 | 90.8 | 92.4 | 92.5 | 89.5 | 87.4 | 83.9 | | | | 148.1 | | |
| TWET 53. DEG F | 1250 | 79.1 | 82.1 | 82.3 | 83.7 | 84.4 | 85.8 | 86.1 | 88.4 | 89.8 | 91.5 | 90.5 | 88.1 | 85.8 | 83.4 | | | | 147.0 | | |
| (285. DEG K) | 1600 | 77.4 | 80.2 | 80.8 | 82.5 | 83.7 | 84.2 | 85.5 | 87.1 | 87.8 | 89.6 | 89.5 | 86.7 | 84.9 | 84.1 | | | | 145.8 | | |
| HACT 8.91 GH/H3 | 2000 | 75.5 | 78.8 | 79.3 | 80.1 | 81.8 | 82.8 | 83.9 | 85.7 | 86.2 | 87.6 | 87.3 | 84.6 | 82.8 | 80.4 | | | | 144.2 | | |
| (00891 KG/H3) | 2500 | 72.9 | 76.7 | 77.7 | 78.5 | 79.8 | 80.5 | 81.8 | 83.9 | 84.7 | 85.2 | 85.6 | 82.6 | 81.4 | 80.0 | | | | 142.6 | | |
| FREQ. SHIFT | 3150 | 71.7 | 77.4 | 76.9 | 78.0 | 78.7 | 79.7 | 80.9 | 81.6 | 82.1 | 83.4 | 84.4 | 82.6 | 82.7 | 82.4 | | | | 141.9 | | |
| JET 9 | 4000 | 72.3 | 81.3 | 80.9 | 82.1 | 82.4 | 84.9 | 84.5 | 85.2 | 85.8 | 81.6 | 83.2 | 80.6 | 80.9 | 80.5 | | | | 144.3 | | |
| DIAMETER RATIO | 5000 | 77.5 | 88.4 | 86.9 | 87.2 | 88.5 | 89.1 | 87.8 | 89.9 | 88.8 | 82.3 | 83.8 | 81.0 | 81.4 | 82.7 | | | | 149.1 | | |
| DF/DM 8.00 | 6300 | 64.4 | 70.1 | 70.1 | 71.4 | 72.8 | 74.1 | 76.1 | 78.1 | 76.8 | 79.7 | 83.7 | 82.7 | 81.8 | 84.1 | | | | 141.7 | | |
| OVERALL CALCULATED | 8000 | 63.6 | 68.5 | 67.7 | 69.7 | 69.2 | 69.5 | 75.9 | 77.5 | 75.2 | 80.9 | 85.4 | 84.6 | 83.8 | 86.4 | | | | 144.7 | | |
| PND8 | 10000 | 65.2 | 72.3 | 71.6 | 72.1 | 71.8 | 72.7 | 78.0 | 80.2 | 76.8 | 83.1 | 87.9 | 87.7 | 86.4 | 88.9 | | | | 149.9 | | |
| | | 99.4 | 99.6 | 99.7 | 100.1 | 100.9 | 102.3 | 103.2 | 105.5 | 107.2 | 110.7 | 113.4 | 116.3 | 116.7 | 116.7 | | | | 169.3 | | |
| | | 104.6 | 109.9 | 109.4 | 110.0 | 111.1 | 112.1 | 112.4 | 114.5 | 114.7 | 116.4 | 118.1 | 118.4 | 117.9 | 118.6 | | | | 170.6 | | |

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 61.1 | 61.4 | 63.8 | 66.7 | 68.2 | 69.7 | 71.9 | 73.3 | 75.6 | 79.6 | 79.7 | 83.9 | 83.6 | 79.3 | | | |
| SIDELINE 2400. FT | 63 | 65.1 | 66.9 | 68.5 | 68.0 | 69.2 | 71.3 | 72.5 | 74.6 | 75.7 | 79.2 | 81.1 | 87.0 | 85.4 | 78.1 | | | |
| (731.52 M) | 80 | 67.0 | 68.2 | 69.3 | 69.9 | 71.2 | 72.6 | 73.9 | 76.0 | 78.1 | 80.4 | 84.6 | 86.3 | 86.9 | 81.5 | | | |
| NFA | 100 | 66.5 | 67.8 | 70.7 | 70.6 | 72.1 | 73.1 | 73.9 | 77.4 | 77.9 | 81.9 | 84.2 | 85.4 | 83.5 | 84.7 | | | |
| (0. RPM) | 125 | 67.5 | 67.2 | 69.7 | 71.0 | 72.3 | 73.9 | 75.5 | 77.3 | 79.2 | 83.4 | 84.9 | 85.2 | 83.5 | 80.4 | | | |
| (0. RAD/SEC) | 160 | 65.2 | 67.3 | 69.2 | 70.7 | 72.2 | 73.8 | 75.7 | 76.8 | 78.9 | 81.8 | 84.6 | 84.1 | 81.6 | 76.4 | | | |
| NFK | 200 | 62.8 | 66.4 | 67.6 | 69.8 | 71.7 | 73.8 | 75.2 | 77.3 | 77.9 | 80.6 | 82.7 | 80.9 | 77.6 | 72.3 | | | |
| (0. RPM) | 250 | 62.5 | 65.3 | 66.3 | 69.8 | 71.4 | 73.8 | 74.1 | 76.5 | 77.7 | 80.1 | 81.4 | 79.8 | 75.0 | 69.4 | | | |
| (0. RAD/SEC) | 315 | 60.6 | 64.0 | 66.3 | 67.2 | 69.2 | 71.4 | 72.6 | 75.7 | 77.1 | 79.6 | 79.0 | 77.4 | 71.7 | 65.2 | | | |
| NFD | 400 | 58.6 | 62.8 | 65.0 | 67.2 | 68.7 | 71.2 | 71.5 | 74.2 | 75.2 | 77.9 | 77.4 | 75.2 | 69.4 | 62.9 | | | |
| (0. RPM) | 500 | 56.2 | 60.7 | 62.9 | 65.3 | 68.0 | 70.2 | 70.7 | 73.3 | 74.7 | 76.4 | 75.0 | 71.8 | 65.3 | 58.4 | | | |
| AIRFLOW RATIO | 630 | 54.5 | 59.6 | 61.6 | 63.9 | 66.0 | 68.3 | 70.0 | 72.0 | 73.8 | 75.1 | 73.4 | 69.5 | 62.7 | 54.2 | | | |
| WF/WM 8.00 | 800 | 52.5 | 58.2 | 60.7 | 64.0 | 65.5 | 67.6 | 68.2 | 70.5 | 71.7 | 72.8 | 71.0 | 66.9 | 60.6 | 50.9 | | | |
| VEHICLE JENOTS | 1000 | 50.1 | 56.2 | 59.4 | 61.9 | 64.0 | 65.9 | 66.7 | 69.0 | 69.5 | 70.1 | 68.5 | 63.2 | 57.3 | 47.3 | | | |
| CONFIG JE-053 | 1250 | 47.3 | 54.4 | 57.3 | 60.4 | 62.2 | 64.2 | 64.8 | 66.9 | 67.6 | 68.3 | 65.5 | 60.5 | 54.0 | 44.2 | | | |
| LOC EVENDALE | 1600 | 43.2 | 50.7 | 54.3 | 57.9 | 60.3 | 61.5 | 63.0 | 64.4 | 64.4 | 65.0 | 63.0 | 57.2 | 50.7 | 41.2 | | | |
| DATE 04-04-75 | 2000 | 38.4 | 47.1 | 51.0 | 53.9 | 57.0 | 58.8 | 60.1 | 61.6 | 61.4 | 61.4 | 58.9 | 52.9 | 45.7 | 33.3 | | | |
| RUN DBTF - R 435 | 2500 | 31.6 | 41.8 | 46.7 | 50.0 | 52.8 | 54.4 | 56.1 | 57.8 | 57.8 | 56.7 | 54.6 | 47.7 | 40.1 | 26.6 | | | |
| TAPE X80510 | 3150 | 23.6 | 37.3 | 41.6 | 45.8 | 48.4 | 50.5 | 52.0 | 52.4 | 51.9 | 51.3 | 49.2 | 42.5 | 34.6 | 18.9 | | | |
| FAN TIP SPEED | 4000 | 14.1 | 33.6 | 39.3 | 44.4 | 47.1 | 50.9 | 50.9 | 51.2 | 47.5 | 43.9 | 41.7 | 32.8 | 22.7 | 1.9 | | | |
| FT/SEC | 5000 | 13.5 | 36.2 | 41.7 | 46.3 | 50.3 | 52.3 | 51.5 | 53.2 | 50.6 | 41.4 | 38.6 | 28.8 | 17.4 | | | | |
| | 6300 | | 4.8 | 14.1 | 21.1 | 26.0 | 29.2 | 31.8 | 33.2 | 30.0 | 29.4 | 27.7 | 17.4 | 0.6 | | | | |
| | 8000 | | | | 4.9 | 9.2 | 12.1 | 19.4 | 20.2 | 15.3 | 16.1 | 12.8 | | | | | | |
| | 10000 | | | | | | | 4.4 | 5.5 | | | | | | | | | |
| OVERALL CALCULATED | | 74.7 | 76.6 | 78.5 | 79.9 | 81.5 | 83.4 | 84.6 | 86.8 | 88.2 | 91.1 | 92.8 | 94.3 | 92.5 | 88.9 | | | |
| PNDP | | 74.0 | 76.3 | 80.8 | 83.3 | 85.4 | 87.6 | 88.5 | 90.7 | 91.6 | 93.7 | 94.2 | 93.3 | 90.2 | 86.6 | | | |

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Model 8

ORIGINAL PAGE IS
OF FOUR QUANTITY

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL HUM, DAY - JENOTS) | | | | | | | | | | | | | | | | | | | |
|---|-------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|------------|-------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30,
(0.52) | 40,
(0.70) | 50,
(0.87) | 60,
(1.05) | 70,
(1.22) | 80,
(1.40) | 90,
(1.57) | 100,
(1.75) | 110,
(1.92) | 120,
(2.09) | 130,
(2.27) | 140,
(2.44) | 150,
(2.62) | 160,
(2.79) | 0,
(0,) | 0,
(0,) | 0,
(0,) | PWL |
| NO EGA | 50 | 95.9 | 93.7 | 94.3 | 95.9 | 95.9 | 97.0 | 99.3 | 100.1 | 102.8 | 108.8 | 110.0 | 115.0 | 118.2 | 112.9 | | | | 167.8 |
| RDG. NO. 0. | 63 | 100.1 | 99.6 | 99.8 | 98.0 | 97.5 | 99.1 | 101.5 | 102.7 | 105.4 | 110.4 | 115.5 | 121.6 | 121.8 | 118.1 | | | | 172.5 |
| RADIAL 320, FT.
(98. M) | 80 | 101.8 | 101.9 | 100.7 | 99.4 | 99.2 | 99.2 | 102.3 | 103.4 | 106.9 | 111.7 | 116.9 | 121.3 | 123.1 | 119.3 | | | | 173.3 |
| VEHICLE JENOTS | 100 | 103.5 | 101.9 | 101.9 | 101.8 | 101.0 | 101.3 | 103.4 | 105.6 | 108.8 | 114.0 | 117.5 | 122.5 | 123.2 | 121.0 | | | | 174.2 |
| CONFIG JE-070 | 125 | 105.3 | 102.1 | 102.8 | 102.2 | 100.8 | 102.7 | 105.2 | 106.1 | 109.4 | 114.9 | 117.7 | 119.7 | 121.4 | 118.9 | | | | 172.8 |
| LOC EVENDALE | 160 | 105.0 | 103.2 | 103.1 | 103.1 | 102.3 | 103.7 | 105.7 | 106.2 | 109.7 | 114.4 | 118.1 | 122.3 | 121.5 | 117.2 | | | | 173.5 |
| DATE 04-04-75 | 200 | 103.9 | 104.0 | 103.0 | 102.8 | 102.4 | 104.8 | 106.3 | 106.8 | 110.6 | 114.6 | 116.9 | 121.3 | 120.4 | 116.0 | | | | 172.8 |
| RUN DBTFMODEL 88 | 250 | 104.7 | 103.4 | 102.1 | 104.3 | 103.1 | 104.7 | 105.9 | 106.9 | 111.1 | 114.2 | 117.3 | 121.9 | 120.2 | 114.6 | | | | 172.9 |
| TAPE X80520 | 315 | 103.9 | 103.9 | 103.6 | 102.9 | 102.0 | 104.1 | 105.8 | 107.6 | 111.4 | 114.7 | 117.6 | 121.3 | 118.6 | 112.9 | | | | 172.5 |
| BAR 29.6 HG | 400 | 104.8 | 105.6 | 103.8 | 103.2 | 102.6 | 103.8 | 105.8 | 107.6 | 111.3 | 114.6 | 118.4 | 120.6 | 117.6 | 111.1 | | | | 172.3 |
| (99921, N/M2) | 500 | 101.8 | 103.3 | 103.1 | 103.7 | 102.7 | 103.9 | 106.0 | 107.3 | 111.6 | 114.5 | 117.9 | 117.9 | 114.6 | 109.1 | | | | 171.0 |
| TAMB 44, DEG F | 630 | 100.4 | 101.6 | 102.0 | 103.2 | 103.2 | 104.2 | 106.7 | 108.2 | 111.7 | 114.9 | 117.6 | 117.5 | 113.6 | 108.0 | | | | 170.9 |
| (280, DEG K) | 800 | 99.8 | 101.6 | 101.3 | 102.7 | 103.0 | 104.8 | 106.2 | 107.7 | 111.1 | 114.2 | 115.9 | 116.3 | 113.4 | 106.7 | | | | 170.0 |
| THET 36, DEG F | 1000 | 99.3 | 101.4 | 101.4 | 103.1 | 103.1 | 105.2 | 106.6 | 108.0 | 110.4 | 113.7 | 115.3 | 115.3 | 112.2 | 106.5 | | | | 169.5 |
| (275, DEG K) | 1250 | 98.9 | 101.4 | 101.2 | 104.0 | 103.4 | 104.6 | 106.2 | 108.0 | 110.6 | 113.1 | 114.3 | 114.2 | 111.4 | 105.5 | | | | 169.0 |
| HACT 0, GH/M3 | 1600 | 97.9 | 100.4 | 100.8 | 102.7 | 102.9 | 104.4 | 106.4 | 107.0 | 109.5 | 112.3 | 113.2 | 112.9 | 110.4 | 105.3 | | | | 168.3 |
| (, KG/M3) | 2000 | 96.3 | 99.1 | 99.8 | 101.6 | 102.8 | 103.6 | 105.7 | 106.2 | 108.7 | 111.6 | 112.2 | 111.8 | 109.5 | 102.9 | | | | 167.6 |
| FREQ. SHIFT | 2500 | 94.4 | 98.2 | 98.4 | 100.7 | 100.5 | 102.2 | 104.5 | 104.6 | 107.4 | 109.7 | 110.9 | 110.4 | 107.2 | 101.2 | | | | 166.3 |
| JET 9 | 3150 | 92.8 | 97.0 | 97.2 | 99.6 | 99.1 | 99.9 | 102.5 | 103.0 | 105.5 | 107.8 | 109.3 | 107.9 | 106.8 | 99.7 | | | | 165.1 |
| DIAMETER RATIO | 4000 | 90.3 | 94.1 | 94.7 | 97.4 | 96.2 | 98.3 | 100.3 | 101.0 | 102.7 | 105.6 | 107.5 | 105.6 | 104.7 | 96.6 | | | | 163.6 |
| DF/DN 8.00 | 5000 | 88.6 | 92.5 | 93.3 | 96.1 | 94.4 | 94.9 | 97.4 | 98.5 | 100.7 | 103.2 | 105.9 | 102.6 | 102.3 | 94.5 | | | | 161.8 |
| OVERALL CALCULATED | 6300 | 86.6 | 89.8 | 92.0 | 94.8 | 92.0 | 92.5 | 94.8 | 96.3 | 98.0 | 101.7 | 104.2 | 102.4 | 101.0 | 93.6 | | | | 161.4 |
| PND8 | 8000 | 85.6 | 87.6 | 90.2 | 94.9 | 91.7 | 89.7 | 92.5 | 93.8 | 96.5 | 101.9 | 103.2 | 101.9 | 100.8 | 94.4 | | | | 162.6 |
| | 10000 | 86.5 | 86.1 | 87.9 | 95.4 | 92.9 | 88.8 | 94.1 | 92.3 | 94.0 | 103.2 | 102.0 | 101.8 | 101.3 | 96.5 | | | | 165.1 |
| | | 114.7 | 114.8 | 114.5 | 115.3 | 114.8 | 116.2 | 118.2 | 119.3 | 122.6 | 126.2 | 129.0 | 132.0 | 131.4 | 127.5 | | | | 164.3 |
| | | 122.2 | 124.1 | 124.2 | 126.0 | 125.6 | 126.8 | 128.9 | 129.7 | 132.6 | 135.7 | 137.6 | 138.4 | 136.7 | 131.5 | | | | 165.6 |

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Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 72.1 | 72.1 | 74.3 | 77.0 | 77.7 | 79.2 | 81.7 | 82.3 | 84.6 | 89.9 | 90.0 | 93.4 | 94.4 | 85.6 | | | |
| SIDELINE 2400. FT.
(731.52 M) | 63 | 76.1 | 77.9 | 79.7 | 79.0 | 79.2 | 81.3 | 83.8 | 84.9 | 87.2 | 91.5 | 95.4 | 100.0 | 97.9 | 90.6 | | | |
| | 80 | 77.8 | 80.2 | 80.6 | 80.4 | 80.9 | 81.4 | 84.6 | 85.3 | 88.6 | 92.7 | 96.8 | 99.6 | 99.1 | 91.7 | | | |
| | 100 | 79.3 | 80.1 | 81.7 | 82.7 | 82.6 | 83.3 | 85.6 | 87.7 | 90.4 | 94.9 | 97.2 | 100.7 | 99.0 | 93.2 | | | |
| NFA 0. RPM | 125 | 81.0 | 80.2 | 82.5 | 83.0 | 82.3 | 84.7 | 87.3 | 88.1 | 91.0 | 95.7 | 97.4 | 97.7 | 97.0 | 90.9 | | | |
| (0. RAD/SEC) | 160 | 80.5 | 81.1 | 82.7 | 83.8 | 83.7 | 85.6 | 87.7 | 88.1 | 91.1 | 95.1 | 97.7 | 100.1 | 96.9 | 88.9 | | | |
| NFK 0. RPM | 200 | 79.0 | 81.7 | 82.3 | 83.3 | 83.7 | 86.6 | 88.2 | 88.6 | 92.0 | 95.1 | 96.3 | 98.9 | 95.6 | 87.3 | | | |
| (0. RAD/SEC) | 250 | 79.6 | 80.9 | 81.3 | 84.6 | 84.2 | 86.3 | 87.6 | 88.5 | 92.2 | 94.6 | 96.4 | 99.3 | 95.1 | 85.4 | | | |
| NFD 0. RPM | 315 | 78.4 | 81.1 | 82.5 | 83.0 | 82.9 | 85.5 | 87.4 | 89.0 | 92.4 | 94.9 | 96.5 | 98.4 | 93.0 | 83.0 | | | |
| (0. RAD/SEC) | 400 | 78.7 | 82.3 | 82.3 | 83.0 | 83.2 | 85.0 | 87.1 | 88.7 | 92.0 | 94.4 | 97.0 | 97.3 | 91.4 | 80.4 | | | |
| AIRFLOW RATIO | 500 | 75.0 | 79.5 | 81.2 | 83.1 | 83.1 | 84.7 | 87.0 | 88.1 | 92.0 | 94.0 | 96.0 | 94.1 | 87.9 | 77.4 | | | |
| WF/WM 8.00 | 630 | 72.8 | 77.2 | 79.6 | 82.2 | 83.1 | 84.6 | 87.3 | 88.6 | 91.6 | 93.9 | 95.2 | 93.0 | 86.0 | 75.0 | | | |
| | 800 | 71.1 | 76.3 | 78.2 | 81.1 | 82.3 | 84.7 | 86.3 | 87.6 | 90.5 | 92.6 | 92.8 | 90.9 | 84.6 | 72.0 | | | |
| VEHICLE JENOTS | 1000 | 69.2 | 75.0 | 77.4 | 80.7 | 81.8 | 84.4 | 86.0 | 87.3 | 89.0 | 91.4 | 91.3 | 89.0 | 82.1 | 69.8 | | | |
| CONFIG JE-070 | 1250 | 67.1 | 73.7 | 76.1 | 80.7 | 81.2 | 83.0 | 84.8 | 86.4 | 88.4 | 89.8 | 89.3 | 86.5 | 79.6 | 66.3 | | | |
| LOC EVENDALE | 1600 | 63.7 | 70.9 | 74.3 | 78.1 | 79.5 | 81.7 | 84.0 | 84.3 | 86.1 | 87.7 | 86.7 | 83.4 | 76.2 | 62.5 | | | |
| DATE 04-04-75 | 2000 | 59.1 | 67.4 | 71.5 | 75.4 | 78.0 | 79.5 | 81.9 | 82.1 | 83.9 | 85.4 | 83.9 | 80.1 | 72.4 | 55.8 | | | |
| RUN DBTFMODEL 8B | 2500 | 53.1 | 63.3 | 67.4 | 72.2 | 73.6 | 76.1 | 78.8 | 78.5 | 80.5 | 81.2 | 79.9 | 75.5 | 65.8 | 47.8 | | | |
| TAPE X80520 | 3150 | 44.7 | 57.0 | 62.0 | 67.4 | 68.8 | 70.6 | 73.6 | 73.8 | 75.3 | 75.7 | 74.1 | 67.9 | 58.7 | 36.3 | | | |
| FAN TIP SPEED | 4000 | 32.2 | 46.4 | 53.1 | 59.7 | 60.9 | 64.3 | 66.8 | 67.0 | 67.4 | 67.9 | 66.0 | 57.9 | 46.5 | 18.0 | | | |
| FT/SEC | 5000 | 24.6 | 40.3 | 48.0 | 55.2 | 56.2 | 58.2 | 61.1 | 61.8 | 62.4 | 62.3 | 60.7 | 50.4 | 38.3 | 7.2 | | | |
| | 6300 | 5.4 | 24.5 | 36.0 | 44.5 | 45.2 | 47.7 | 50.5 | 51.4 | 51.2 | 51.4 | 48.1 | 37.1 | 19.8 | | | | |
| | 8000 | | 2.2 | 17.6 | 30.2 | 31.8 | 32.4 | 35.9 | 36.4 | 36.5 | 37.1 | 30.6 | 16.5 | | | | | |
| | 10000 | | | | 10.6 | 14.6 | 14.1 | 17.5 | 17.6 | 15.7 | 18.3 | 6.3 | | | | | | |
| OVERALL CALCULATED | | 89.2 | 91.3 | 92.6 | 94.2 | 94.5 | 96.5 | 98.5 | 99.6 | 102.6 | 105.6 | 107.5 | 109.3 | 106.7 | 99.2 | | | |
| PNDB | | 92.3 | 96.3 | 97.8 | 100.2 | 101.2 | 103.2 | 105.4 | 106.2 | 108.5 | 110.9 | 112.3 | 112.3 | 107.7 | 98.8 | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HU1, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | 0, 0, 0 | | | PWL |
|--------------------|-------|--|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|--------|-------|--|---------|--|--|-----|
| REV, ALPHA 12/73 | FREQ | 30, (0.52) | 40, (0.70) | 50, (0.87) | 60, (1.05) | 70, (1.22) | 80, (1.40) | 90, (1.57) | 100, (1.75) | 110, (1.92) | 120, (2.09) | 130, (2.27) | 140, (2.44) | 150, (2.62) | 160, (2.79) | 0, (0) | 0, (0) | 0, (0) | | | | | | |
| | 50 | 90.2 | 87.5 | 88.3 | 89.7 | 89.2 | 90.2 | 93.6 | 93.8 | 97.3 | 102.6 | 104.3 | 109.5 | 112.0 | 108.9 | | | | 162.0 | | | | | |
| NO EGA | 63 | 94.6 | 93.3 | 94.1 | 92.0 | 92.0 | 93.1 | 94.7 | 96.5 | 99.2 | 103.7 | 108.7 | 115.4 | 115.6 | 112.1 | | | | 166.2 | | | | | |
| RDG. NO. 0. | 80 | 96.1 | 94.7 | 95.0 | 94.0 | 93.2 | 93.8 | 96.6 | 96.6 | 100.7 | 105.0 | 111.5 | 115.6 | 116.7 | 113.8 | | | | 167.3 | | | | | |
| RADIAL 320. FT. | 100 | 97.0 | 95.9 | 96.4 | 96.0 | 95.0 | 95.3 | 97.7 | 98.9 | 101.5 | 106.8 | 112.2 | 115.8 | 116.0 | 115.7 | | | | 167.7 | | | | | |
| (98. M) | 125 | 98.8 | 95.9 | 96.8 | 95.7 | 95.5 | 96.4 | 98.9 | 99.4 | 102.4 | 107.9 | 112.0 | 113.9 | 116.1 | 113.2 | | | | 167.0 | | | | | |
| VEHICLE JENOTS | 160 | 98.5 | 95.7 | 96.7 | 96.1 | 96.0 | 97.0 | 99.0 | 100.0 | 102.5 | 107.9 | 112.4 | 115.0 | 115.2 | 111.5 | | | | 167.0 | | | | | |
| CONFIG JE-053 | 200 | 96.4 | 96.0 | 96.0 | 95.8 | 95.4 | 97.1 | 99.1 | 100.1 | 102.7 | 106.8 | 110.7 | 111.3 | 112.4 | 109.8 | | | | 164.8 | | | | | |
| LOC EVENDALE | 250 | 96.4 | 94.7 | 94.1 | 96.3 | 95.3 | 97.0 | 97.6 | 99.7 | 102.1 | 106.0 | 109.0 | 110.9 | 111.5 | 108.6 | | | | 163.9 | | | | | |
| DATE 04-04-75 | 315 | 94.7 | 94.2 | 94.9 | 93.9 | 93.8 | 95.6 | 97.4 | 98.8 | 102.0 | 105.7 | 107.4 | 108.6 | 109.3 | 106.7 | | | | 162.3 | | | | | |
| RUN DBTF- R-436 | 400 | 93.3 | 93.4 | 94.0 | 93.7 | 93.8 | 95.6 | 96.8 | 98.1 | 101.3 | 105.4 | 106.4 | 107.1 | 107.8 | 105.4 | | | | 161.4 | | | | | |
| TAPE X80530 | 500 | 91.3 | 92.3 | 92.9 | 92.7 | 93.0 | 94.9 | 96.5 | 97.8 | 100.9 | 104.5 | 104.4 | 104.7 | 105.7 | 102.9 | | | | 159.8 | | | | | |
| BAR 29.9 HG | 630 | 90.4 | 91.2 | 91.8 | 92.8 | 92.5 | 94.5 | 96.0 | 97.7 | 101.0 | 103.9 | 104.4 | 103.5 | 104.9 | 102.0 | | | | 159.4 | | | | | |
| (01039, N/M2) | 800 | 89.4 | 90.9 | 91.6 | 92.7 | 92.5 | 94.6 | 95.5 | 97.2 | 100.7 | 102.5 | 103.5 | 102.0 | 104.2 | 101.5 | | | | 158.7 | | | | | |
| TAMB 59, DEG F | 1000 | 88.9 | 90.2 | 91.4 | 92.4 | 92.9 | 93.7 | 94.9 | 96.6 | 99.4 | 101.8 | 102.1 | 102.1 | 103.5 | 101.3 | | | | 158.0 | | | | | |
| (288, DEG K) | 1250 | 88.5 | 90.2 | 91.0 | 91.8 | 92.5 | 92.9 | 94.2 | 96.5 | 99.6 | 101.7 | 101.8 | 100.5 | 102.4 | 100.3 | | | | 157.5 | | | | | |
| TWET 53, DEG F | 1600 | 87.1 | 89.1 | 90.2 | 91.0 | 91.9 | 92.8 | 94.1 | 95.7 | 98.2 | 100.3 | 100.7 | 99.6 | 101.3 | 99.0 | | | | 156.7 | | | | | |
| (285, DEG K) | 2000 | 85.7 | 87.3 | 88.8 | 89.3 | 90.7 | 91.5 | 93.4 | 94.4 | 97.2 | 99.1 | 99.0 | 98.0 | 99.8 | 97.1 | | | | 155.5 | | | | | |
| HACT 8.91 GH/M3 | 2500 | 83.8 | 85.9 | 86.6 | 87.9 | 88.6 | 89.6 | 91.7 | 92.7 | 96.1 | 96.8 | 97.8 | 96.3 | 97.6 | 94.9 | | | | 154.1 | | | | | |
| (.00891 KG/M3) | 3150 | 81.4 | 83.4 | 85.1 | 86.2 | 86.2 | 87.7 | 89.6 | 90.6 | 93.6 | 94.9 | 95.4 | 93.8 | 95.4 | 94.1 | | | | 152.4 | | | | | |
| FREQ. SHIFT | 4000 | 78.5 | 81.3 | 81.8 | 83.0 | 83.3 | 85.4 | 86.9 | 88.14 | 90.8 | 92.7 | 93.4 | 91.8 | 93.1 | 89.7 | | | | 150.7 | | | | | |
| JET 9 | 5000 | 76.5 | 79.9 | 81.4 | 82.2 | 82.0 | 82.3 | 84.0 | 85.2 | 88.3 | 89.8 | 90.0 | 88.2 | 90.1 | 88.1 | | | | 148.3 | | | | | |
| DIAMETER RATIO | 6300 | 75.3 | 81.0 | 82.5 | 83.5 | 81.7 | 83.0 | 83.5 | 84.9 | 86.7 | 88.3 | 88.8 | 87.3 | 88.6 | 87.7 | | | | 148.7 | | | | | |
| DF/DM 8.00 | 8000 | 76.1 | 82.5 | 83.9 | 85.1 | 83.9 | 84.7 | 85.1 | 87.0 | 87.7 | 88.8 | 88.4 | 87.8 | 88.0 | | | | | 151.4 | | | | | |
| | 10000 | 75.2 | 77.1 | 76.1 | 78.7 | 78.2 | 78.5 | 78.3 | 80.5 | 87.2 | 91.4 | 88.7 | 90.0 | 88.2 | 89.9 | | | | 153.4 | | | | | |
| OVERALL CALCULATED | | 106.8 | 105.8 | 106.3 | 106.3 | 106.1 | 107.4 | 109.1 | 110.4 | 113.3 | 117.3 | 120.7 | 123.5 | 124.4 | 121.9 | | | | 176.2 | | | | | |
| PNOB | | 112.5 | 113.3 | 114.1 | 114.8 | 115.0 | 116.1 | 117.8 | 119.1 | 122.1 | 124.6 | 126.0 | 127.1 | 128.0 | 125.9 | | | | 177.7 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT R.L. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0. 0. 0. | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|----------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | (0.) | (0.) | (0.) | | | |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | | 50 | 66.3 | 65.9 | 68.3 | 70.7 | 70.9 | 72.4 | 75.9 | 76.0 | 79.1 | 83.6 | 84.2 | 87.9 | 88.1 | 81.6 | | | | | |
| | NO EGA | 63 | 70.6 | 71.7 | 74.0 | 73.0 | 73.7 | 75.3 | 77.0 | 78.5 | 80.9 | 84.7 | 88.6 | 93.7 | 91.6 | 84.6 | | | | | |
| | SIDELINE 2400' FT? | 80 | 72.0 | 73.0 | 74.8 | 74.9 | 74.9 | 75.9 | 78.9 | 78.7 | 82.4 | 85.9 | 91.3 | 93.8 | 92.6 | 86.2 | | | | | |
| | (731.52 M) | 100 | 72.8 | 74.1 | 76.2 | 76.9 | 76.6 | 77.3 | 79.9 | 80.9 | 83.2 | 87.7 | 92.0 | 93.9 | 91.8 | 87.9 | | | | | |
| | NFA 0. RPM | 125 | 74.5 | 73.9 | 76.5 | 76.5 | 77.1 | 78.4 | 81.0 | 81.3 | 84.0 | 88.7 | 91.7 | 92.0 | 91.8 | 85.2 | | | | | |
| | (0. RAD/SEC) | 160 | 74.0 | 73.6 | 76.2 | 76.8 | 77.5 | 78.9 | 81.0 | 81.9 | 83.9 | 88.6 | 91.9 | 92.9 | 90.7 | 83.1 | | | | | |
| | NFK 0. RPM | 200 | 71.6 | 73.7 | 75.3 | 76.3 | 76.7 | 78.8 | 81.0 | 81.8 | 84.0 | 87.4 | 90.0 | 89.0 | 87.6 | 81.0 | | | | | |
| | (0. RAD/SEC) | 250 | 71.3 | 72.1 | 73.3 | 76.6 | 76.5 | 78.6 | 79.4 | 81.3 | 83.2 | 86.4 | 88.2 | 88.3 | 86.3 | 79.4 | | | | | |
| | NFD 0. RPM | 315 | 69.2 | 71.3 | 73.8 | 74.0 | 74.7 | 77.0 | 78.9 | 80.2 | 82.9 | 85.9 | 86.3 | 85.7 | 83.8 | 76.8 | | | | | |
| | (0. RAD/SEC) | 400 | 67.2 | 70.1 | 72.6 | 73.5 | 74.5 | 76.7 | 78.1 | 79.3 | 82.0 | 85.2 | 85.0 | 83.8 | 81.7 | 74.7 | | | | | |
| | AIRFLOW RATIO | 500 | 64.5 | 68.5 | 71.0 | 72.2 | 73.4 | 75.8 | 77.5 | 78.7 | 81.3 | 84.0 | 82.6 | 80.9 | 78.9 | 71.2 | | | | | |
| | WF/WH 8.00 | 630 | 62.8 | 66.7 | 69.4 | 71.8 | 72.4 | 74.9 | 76.6 | 78.1 | 80.9 | 82.9 | 82.0 | 79.1 | 77.3 | 69.1 | | | | | |
| | | 800 | 60.6 | 65.6 | 68.5 | 71.1 | 71.8 | 74.5 | 75.6 | 77.1 | 80.0 | 80.9 | 80.4 | 77.5 | 75.4 | 66.8 | | | | | |
| | VEHICLE JENOTS | 1000 | 58.8 | 63.8 | 67.5 | 70.1 | 71.6 | 73.0 | 74.3 | 75.8 | 78.1 | 79.4 | 78.1 | 75.8 | 73.4 | 64.6 | | | | | |
| | CONFIG JE-053 | 1250 | 56.7 | 62.6 | 66.0 | 68.3 | 70.3 | 71.3 | 72.9 | 75.0 | 77.5 | 78.4 | 76.6 | 72.8 | 70.6 | 61.1 | | | | | |
| | LOC EVENDALE | 1600 | 52.9 | 59.7 | 63.7 | 66.4 | 68.5 | 70.2 | 71.7 | 73.1 | 74.8 | 75.7 | 74.2 | 70.1 | 67.1 | 56.2 | | | | | |
| | DATE 04-04-75 | 2000 | 48.6 | 55.6 | 60.4 | 63.1 | 65.9 | 67.5 | 69.6 | 70.3 | 72.3 | 72.9 | 70.6 | 66.3 | 62.6 | 50.0 | | | | | |
| | RUN DBTF- R 436 | 2500 | 42.5 | 51.0 | 55.6 | 59.4 | 61.7 | 63.5 | 65.9 | 66.7 | 69.2 | 68.4 | 66.8 | 61.4 | 56.2 | 41.4 | | | | | |
| | TAPE X80530 | 3150 | 33.4 | 43.3 | 49.9 | 54.1 | 55.9 | 58.5 | 60.7 | 61.4 | 63.4 | 62.8 | 60.2 | 53.8 | 47.4 | 30.6 | | | | | |
| | FAN TIP SPEED | 4000 | 20.3 | 33.5 | 40.3 | 45.3 | 48.0 | 51.4 | 53.4 | 54.4 | 55.5 | 55.1 | 51.8 | 44.0 | 34.9 | 11.1 | | | | | |
| | FT/SEC | 5000 | 12.5 | 27.7 | 36.2 | 41.3 | 43.8 | 45.6 | 47.7 | 48.4 | 50.1 | 48.9 | 44.8 | 36.0 | 26.1 | 0.8 | | | | | |
| | | 6300 | | 15.7 | 26.4 | 33.2 | 34.9 | 38.1 | 39.2 | 40.0 | 39.9 | 38.0 | 32.8 | 22.0 | 7.4 | | | | | | |
| | | 8000 | | | 11.3 | 20.4 | 23.9 | 27.3 | 28.6 | 29.6 | 27.7 | 24.1 | 15.8 | 2.5 | | | | | | | |
| | | 10000 | | | | | | 3.8 | 4.7 | 5.8 | 8.9 | 6.6 | | | | | | | | | |
| | OVERALL CALCULATED | | 81.8 | 82.9 | 85.2 | 86.1 | 86.6 | 88.4 | 90.3 | 91.4 | 93.9 | 97.4 | 100.0 | 101.4 | 99.9 | 93.7 | | | | | |
| | PND8 | | 83.0 | 85.7 | 88.5 | 90.4 | 91.2 | 93.2 | 95.0 | 96.1 | 98.6 | 101.2 | 102.2 | 102.0 | 99.9 | 93.2 | | | | | |

1145

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV, ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 88.9 | 85.7 | 86.1 | 87.7 | 87.2 | 88.7 | 91.1 | 91.3 | 95.1 | 100.1 | 102.3 | 107.8 | 109.7 | 107.8 | | | | 160.1 |
| RDG. NO. 0. | 63 | 93.3 | 91.8 | 91.3 | 90.0 | 89.5 | 90.9 | 93.0 | 94.2 | 96.9 | 101.4 | 106.2 | 113.4 | 114.8 | 110.3 | | | | 154.6 |
| RADIAL 320. FT. | 80 | 94.1 | 93.0 | 92.5 | 91.7 | 91.0 | 91.8 | 94.1 | 95.1 | 98.9 | 102.7 | 109.2 | 114.1 | 113.9 | 111.8 | | | | 155.2 |
| (98. M) | 100 | 95.7 | 93.2 | 94.1 | 93.3 | 93.0 | 93.3 | 94.7 | 97.1 | 99.5 | 104.5 | 109.7 | 113.8 | 114.2 | 115.0 | | | | 165.9 |
| VEHICLE JENOTS | 125 | 97.8 | 94.6 | 95.0 | 93.9 | 93.0 | 94.7 | 96.7 | 97.4 | 100.7 | 105.9 | 110.7 | 111.9 | 113.1 | 112.4 | | | | 165.0 |
| CONFIG JE-053 | 160 | 97.3 | 94.5 | 95.2 | 94.6 | 94.0 | 95.2 | 97.0 | 98.0 | 100.7 | 105.7 | 111.6 | 114.5 | 113.5 | 111.2 | | | | 166.0 |
| LCC EVENDALE | 200 | 94.6 | 93.5 | 94.2 | 94.1 | 93.4 | 95.3 | 96.8 | 97.6 | 100.9 | 105.3 | 109.7 | 111.0 | 111.2 | 109.5 | | | | 163.8 |
| DATE 04-04-75 | 250 | 94.4 | 92.4 | 91.9 | 93.5 | 93.1 | 94.7 | 95.4 | 97.2 | 100.1 | 104.5 | 108.0 | 110.4 | 110.5 | 107.1 | | | | 162.7 |
| RUN DBTF- R.436 | 315 | 92.0 | 91.5 | 91.7 | 91.1 | 91.0 | 92.8 | 95.1 | 96.6 | 100.2 | 104.0 | 105.4 | 108.1 | 107.3 | 104.2 | | | | 160.7 |
| TAPE X80540 | 400 | 90.1 | 90.2 | 90.3 | 90.9 | 90.6 | 92.3 | 94.0 | 95.4 | 98.3 | 102.9 | 104.2 | 105.6 | 105.1 | 101.4 | | | | 159.0 |
| BAR 29.9 HG | 500 | 88.0 | 87.6 | 88.6 | 88.9 | 89.5 | 91.7 | 93.5 | 94.8 | 98.4 | 101.8 | 102.7 | 103.2 | 101.9 | 98.4 | | | | 157.2 |
| (01039, N/M2) | 630 | 86.7 | 86.9 | 87.3 | 88.3 | 88.7 | 91.0 | 92.7 | 94.4 | 98.2 | 101.2 | 101.4 | 100.8 | 99.2 | 95.5 | | | | 156.0 |
| TAMB 59, DEG F | 800 | 85.9 | 86.4 | 86.6 | 88.2 | 88.0 | 90.3 | 91.5 | 93.5 | 96.9 | 99.5 | 99.5 | 99.3 | 97.5 | 93.2 | | | | 154.5 |
| (288, DEG K) | 1000 | 84.6 | 84.9 | 86.4 | 87.4 | 87.7 | 90.0 | 90.6 | 92.6 | 95.9 | 98.0 | 98.1 | 97.1 | 95.5 | 91.8 | | | | 153.1 |
| TWET 53, DEG F | 1250 | 83.5 | 84.5 | 85.7 | 86.8 | 86.7 | 88.6 | 90.0 | 91.5 | 94.6 | 96.9 | 96.4 | 94.7 | 92.9 | 89.8 | | | | 151.9 |
| (285, DEG K) | 1600 | 81.6 | 83.4 | 84.0 | 85.5 | 85.4 | 87.3 | 89.1 | 90.2 | 92.7 | 95.0 | 94.2 | 92.4 | 89.8 | 89.5 | | | | 150.2 |
| HACT 8.91 GM/H3 | 2000 | 79.7 | 81.8 | 82.8 | 83.6 | 84.5 | 85.5 | 88.1 | 88.9 | 91.2 | 92.6 | 92.2 | 90.3 | 88.0 | 89.1 | | | | 148.7 |
| (.00891 KG/H3) | 2500 | 77.6 | 79.9 | 80.3 | 81.9 | 81.6 | 83.6 | 85.2 | 86.5 | 89.3 | 90.6 | 89.8 | 88.8 | 87.1 | 89.1 | | | | 147.0 |
| FREQ. SHIFT | 3150 | 75.4 | 77.9 | 78.9 | 80.2 | 79.5 | 80.7 | 82.9 | 83.9 | 86.4 | 87.4 | 87.2 | 89.1 | 87.7 | 90.6 | | | | 145.7 |
| JET " 9 | 4000 | 73.2 | 76.3 | 76.3 | 77.8 | 77.1 | 78.9 | 80.7 | 81.4 | 82.8 | 85.5 | 84.9 | 89.0 | 87.3 | 90.0 | | | | 144.9 |
| DIAMETER RATIO | 5000 | 71.7 | 75.7 | 74.8 | 76.2 | 75.0 | 75.6 | 77.5 | 78.7 | 80.3 | 82.8 | 83.3 | 89.2 | 87.4 | 92.1 | | | | 144.8 |
| DF/DH 8.00 | 6300 | 71.8 | 75.0 | 73.7 | 75.5 | 73.4 | 74.7 | 74.7 | 76.7 | 76.9 | 84.1 | 84.1 | 91.8 | 89.9 | 94.0 | | | | 147.6 |
| OVERALL CALCULATED | 8000 | 73.1 | 74.8 | 73.4 | 75.4 | 74.7 | 74.7 | 75.1 | 77.0 | 75.9 | 86.6 | 85.6 | 94.3 | 92.5 | 96.4 | | | | 151.8 |
| PND8 | 10000 | 74.8 | 75.8 | 74.4 | 76.7 | 76.7 | 77.5 | 76.6 | 79.0 | 76.2 | 90.2 | 87.7 | 96.7 | 95.5 | 98.4 | | | | 156.9 |
| | | 105.0 | 103.2 | 103.5 | 103.4 | 103.0 | 104.6 | 106.3 | 107.6 | 110.8 | 114.9 | 118.9 | 122.1 | 122.3 | 120.6 | | | | 174.3 |
| | | 109.5 | 109.1 | 109.4 | 110.1 | 110.0 | 111.5 | 113.3 | 114.5 | 117.2 | 120.9 | 123.1 | 125.6 | 124.8 | 124.1 | | | | 175.6 |

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Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 55.1 | 64.1 | 66.0 | 68.7 | 68.9 | 70.9 | 73.4 | 73.5 | 76.8 | 81.1 | 82.2 | 86.2 | 85.9 | 80.3 | | | |
| SIDELINE 2400 FT | 63 | 69.4 | 70.2 | 71.2 | 71.0 | 71.2 | 73.0 | 75.3 | 76.4 | 78.7 | 82.5 | 86.1 | 91.7 | 90.9 | 82.9 | | | |
| (731.52 M) | 80 | 70.0 | 71.2 | 72.3 | 72.7 | 72.7 | 73.9 | 76.4 | 77.2 | 80.6 | 83.7 | 89.1 | 92.3 | 89.9 | 84.2 | | | |
| NFA 0. RPM | 100 | 71.5 | 71.3 | 73.9 | 74.2 | 74.6 | 75.3 | 76.9 | 79.2 | 81.2 | 85.4 | 89.5 | 91.9 | 90.0 | 87.2 | | | |
| (0. RAD/SEC) | 125 | 73.5 | 72.7 | 74.7 | 74.7 | 74.6 | 76.7 | 78.8 | 79.3 | 82.2 | 86.7 | 90.4 | 90.0 | 88.8 | 84.4 | | | |
| NFK 0. RPM | 160 | 72.7 | 72.3 | 74.7 | 75.3 | 75.5 | 77.1 | 79.0 | 79.9 | 82.1 | 86.3 | 91.2 | 92.4 | 88.9 | 82.9 | | | |
| (0. RAD/SEC) | 200 | 69.8 | 71.2 | 73.6 | 74.6 | 74.7 | 77.1 | 78.7 | 79.3 | 82.2 | 85.9 | 89.0 | 88.7 | 86.4 | 80.8 | | | |
| NFD 0. RPM | 250 | 69.3 | 69.9 | 71.1 | 73.9 | 74.2 | 76.3 | 77.1 | 78.8 | 81.2 | 84.9 | 87.2 | 87.8 | 85.3 | 77.9 | | | |
| (0. RAD/SEC) | 315 | 66.4 | 68.6 | 70.6 | 71.3 | 72.0 | 74.2 | 76.7 | 78.0 | 81.1 | 84.1 | 84.3 | 85.2 | 81.8 | 74.3 | | | |
| AIRFLOW RATIO | 400 | 63.9 | 66.8 | 68.8 | 70.5 | 71.3 | 73.5 | 75.3 | 76.5 | 80.0 | 82.7 | 82.7 | 82.3 | 79.0 | 70.7 | | | |
| WF/WH 8.00 | 500 | 61.3 | 63.8 | 66.8 | 68.4 | 69.9 | 72.5 | 74.5 | 75.7 | 78.8 | 81.3 | 80.8 | 79.4 | 75.2 | 66.7 | | | |
| | 630 | 59.0 | 62.5 | 64.9 | 67.3 | 68.6 | 71.4 | 73.3 | 74.9 | 78.2 | 80.2 | 79.0 | 76.3 | 71.6 | 62.6 | | | |
| | 800 | 57.1 | 61.1 | 63.5 | 66.6 | 67.3 | 70.2 | 71.6 | 73.4 | 76.3 | 77.9 | 76.4 | 74.0 | 68.7 | 58.6 | | | |
| VEHICLE JENOTS | 1000 | 54.5 | 58.6 | 62.5 | 65.1 | 66.3 | 69.2 | 70.1 | 71.8 | 74.6 | 75.7 | 74.1 | 70.8 | 65.4 | 55.1 | | | |
| CONFIG JE-053 | 1250 | 51.7 | 56.8 | 60.7 | 63.5 | 64.6 | 67.1 | 68.7 | 70.0 | 72.5 | 73.6 | 71.4 | 67.1 | 61.1 | 50.6 | | | |
| LCC EVENDALE | 1600 | 47.4 | 53.9 | 57.5 | 60.9 | 62.0 | 64.7 | 66.7 | 67.6 | 69.3 | 70.4 | 67.7 | 62.9 | 55.6 | 46.7 | | | |
| DATE 04-04-75 | 2000 | 42.6 | 50.1 | 54.4 | 57.4 | 59.7 | 61.5 | 64.3 | 64.8 | 66.3 | 66.4 | 63.9 | 58.6 | 50.1 | 42.0 | | | |
| RUN DBTF- R 436 | 2500 | 36.3 | 45.0 | 49.3 | 53.4 | 54.7 | 57.5 | 59.4 | 60.5 | 62.4 | 62.1 | 58.8 | 53.9 | 45.7 | 35.7 | | | |
| TAPE X80540 | 3150 | 27.4 | 37.8 | 43.6 | 48.1 | 49.2 | 51.5 | 54.0 | 54.7 | 56.1 | 55.3 | 51.9 | 49.0 | 39.6 | 27.1 | | | |
| FAN TIP SPEED | 4000 | 15.1 | 28.5 | 34.8 | 40.1 | 41.8 | 44.9 | 47.1 | 47.4 | 47.5 | 47.8 | 43.3 | 41.3 | 29.2 | 11.4 | | | |
| FT/SEC | 5000 | 7.7 | 23.5 | 29.7 | 35.3 | 36.8 | 38.8 | 41.2 | 41.9 | 42.1 | 41.9 | 38.1 | 37.0 | 23.4 | 4.8 | | | |
| | 6300 | | 9.7 | 17.7 | 25.2 | 26.6 | 29.8 | 30.5 | 31.6 | 30.1 | 33.8 | 28.0 | 26.5 | 8.7 | | | | |
| | 8000 | | | 0.8 | 10.6 | 14.7 | 17.3 | 18.6 | 19.6 | 16.0 | 21.8 | 13.0 | 9.0 | | | | | |
| | 10000 | | | | | | 2.8 | 3.0 | 4.3 | | 5.3 | | | | | | | |
| OVERALL CALCULATED | | 80.2 | 80.7 | 82.7 | 83.6 | 84.0 | 85.9 | 87.8 | 88.9 | 91.7 | 95.2 | 98.3 | 100.0 | 97.9 | 92.5 | | | |
| PNDB | | 80.5 | 82.3 | 85.1 | 86.9 | 87.6 | 89.9 | 91.6 | 92.8 | 95.6 | 98.3 | 100.0 | 100.3 | 97.0 | 91.2 | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG F, 70 PERCENT REL, HDAY, DAY - JENOTS) | | | | | | | | | | | | | | | | PHL | | |
|--------------------|------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|--|-------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) | | |
| SPL INPUT AT STD | REV. ALPHA 12/73 | 50 | 96.4 | 94.0 | 94.3 | 96.2 | 96.9 | 97.2 | 99.8 | 100.3 | 103.3 | 108.8 | 111.3 | 116.3 | 119.0 | 114.9 | | | | 169.7 |
| | | 63 | 100.6 | 100.3 | 100.1 | 98.5 | 98.5 | 99.1 | 101.7 | 103.5 | 106.2 | 110.7 | 115.7 | 122.1 | 121.8 | 119.1 | | | | 172.9 |
| | | 80 | 101.8 | 101.4 | 101.4 | 100.2 | 99.7 | 100.0 | 102.8 | 103.6 | 107.9 | 111.9 | 118.2 | 122.6 | 123.6 | 120.0 | | | | 174.2 |
| RDG. NO. 0. | | 100 | 103.0 | 102.7 | 102.6 | 102.0 | 101.3 | 101.8 | 103.9 | 105.9 | 109.0 | 114.5 | 119.2 | 123.5 | 123.5 | 121.7 | | | | 175.0 |
| RADIAL 320. FT. | (98. M) | 125 | 105.3 | 102.6 | 103.8 | 102.7 | 102.0 | 103.4 | 105.4 | 106.1 | 109.9 | 115.1 | 119.7 | 121.7 | 122.1 | 119.7 | | | | 174.0 |
| VEHICLE | JENOTS | 160 | 105.8 | 104.0 | 103.9 | 103.6 | 102.5 | 104.0 | 106.4 | 107.0 | 110.2 | 115.2 | 120.4 | 124.3 | 122.2 | 117.5 | | | | 175.0 |
| CONFIG | JE-070 | 200 | 104.4 | 104.5 | 103.7 | 103.8 | 103.1 | 104.8 | 106.8 | 107.0 | 111.1 | 114.8 | 118.6 | 122.3 | 120.7 | 115.8 | | | | 173.5 |
| LOC | EVENDALE | 250 | 105.4 | 104.2 | 102.9 | 104.5 | 103.6 | 105.0 | 106.4 | 107.7 | 110.8 | 114.2 | 118.5 | 122.4 | 120.2 | 115.4 | | | | 173.4 |
| DATE | 04-04-75 | 315 | 104.7 | 104.7 | 103.9 | 103.4 | 102.5 | 104.3 | 106.1 | 108.1 | 111.7 | 114.2 | 117.9 | 121.6 | 118.3 | 112.6 | | | | 172.6 |
| RUN | DBTFMODEL 8B | 400 | 104.3 | 104.6 | 103.0 | 103.9 | 103.6 | 104.6 | 106.3 | 107.9 | 111.3 | 114.3 | 117.9 | 121.1 | 117.3 | 111.4 | | | | 172.3 |
| TAPE | X80550 | 500 | 101.3 | 101.5 | 102.3 | 102.9 | 102.2 | 104.4 | 106.5 | 107.8 | 111.4 | 114.0 | 117.6 | 118.6 | 114.4 | 109.4 | | | | 171.1 |
| BAR | 29.6 HG | 630 | 100.4 | 101.6 | 101.5 | 102.2 | 101.4 | 104.0 | 106.7 | 108.2 | 112.0 | 114.1 | 117.3 | 117.8 | 113.6 | 108.0 | | | | 170.8 |
| | (99921. N/M2) | 800 | 99.8 | 100.9 | 101.1 | 102.4 | 103.0 | 104.3 | 106.0 | 108.2 | 111.4 | 113.5 | 116.2 | 117.0 | 112.7 | 106.7 | | | | 170.1 |
| TAMB | 44. DEG F | 1000 | 98.8 | 100.9 | 100.9 | 102.4 | 102.4 | 104.7 | 106.1 | 108.0 | 110.1 | 113.2 | 115.0 | 116.3 | 112.0 | 106.7 | | | | 169.5 |
| | (280. DEG K) | 1250 | 98.9 | 100.1 | 101.4 | 102.7 | 102.9 | 104.1 | 105.9 | 107.7 | 110.3 | 112.6 | 114.1 | 114.9 | 110.9 | 105.5 | | | | 168.9 |
| THET | 36. DEG F | 1600 | 97.6 | 99.7 | 100.8 | 102.2 | 102.7 | 103.9 | 106.2 | 106.8 | 109.2 | 111.8 | 113.5 | 113.9 | 109.9 | 104.5 | | | | 168.3 |
| | (275. DEG K) | 2000 | 96.0 | 98.8 | 99.3 | 100.6 | 101.8 | 103.1 | 105.4 | 105.9 | 108.2 | 110.1 | 112.2 | 112.3 | 108.8 | 103.2 | | | | 167.2 |
| HACT | 0. GH/M3 | 2500 | 94.4 | 97.2 | 98.2 | 100.0 | 100.2 | 101.4 | 103.8 | 104.6 | 107.4 | 108.9 | 111.1 | 111.1 | 106.9 | 100.7 | | | | 166.3 |
| | (. KG/M3) | 3150 | 92.8 | 96.0 | 96.5 | 98.9 | 98.6 | 100.1 | 101.8 | 103.0 | 104.8 | 107.1 | 108.8 | 108.7 | 105.5 | 99.2 | | | | 164.7 |
| FREQ. SHIFT | | 4000 | 90.1 | 93.1 | 93.7 | 96.4 | 95.7 | 97.5 | 99.6 | 101.0 | 102.2 | 105.1 | 108.3 | 106.6 | 103.9 | 96.3 | | | | 163.7 |
| JET | 9 | 5000 | 88.6 | 91.5 | 92.0 | 95.3 | 93.9 | 94.7 | 96.9 | 98.0 | 100.2 | 103.0 | 105.7 | 104.1 | 101.8 | 95.3 | | | | 161.7 |
| DIAMETER RATIO | | 6300 | 86.8 | 89.0 | 90.3 | 94.8 | 91.7 | 92.0 | 94.3 | 96.3 | 97.5 | 101.4 | 104.7 | 102.4 | 100.5 | 93.8 | | | | 161.4 |
| DF/DH | 8.00 | 8000 | 86.1 | 87.1 | 88.0 | 95.2 | 91.0 | 89.2 | 92.0 | 93.8 | 95.5 | 101.9 | 103.2 | 102.1 | 99.3 | 94.9 | | | | 162.4 |
| | | 10000 | 86.3 | 85.6 | 86.7 | 96.7 | 92.2 | 88.0 | 90.6 | 92.0 | 93.7 | 103.5 | 102.0 | 102.0 | 101.8 | 96.5 | | | | 165.3 |
| OVERALL CALCULATED | | | 114.9 | 114.7 | 114.6 | 115.2 | 114.8 | 116.2 | 118.2 | 119.5 | 122.7 | 126.0 | 129.8 | 132.9 | 131.7 | 128.1 | | | | 184.8 |
| PND8 | | | 122.1 | 123.5 | 123.9 | 125.6 | 125.3 | 126.4 | 128.6 | 129.7 | 132.5 | 135.2 | 137.9 | 139.1 | 136.5 | 131.9 | | | | 186.1 |

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Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| N0 EGA | 50 | 72.6 | 72.4 | 74.3 | 77.2 | 78.7 | 79.4 | 82.2 | 82.5 | 85.1 | 89.9 | 91.2 | 94.7 | 95.1 | 87.6 | | | |
| SIDELINE 2400' FT.
(731.52 M) | 63 | 76.6 | 78.7 | 80.0 | 79.5 | 80.2 | 81.3 | 84.0 | 85.6 | 87.9 | 91.7 | 95.6 | 100.5 | 97.9 | 91.6 | | | |
| | 80 | 77.8 | 79.7 | 81.3 | 81.2 | 81.4 | 82.1 | 85.1 | 85.7 | 89.6 | 92.9 | 98.1 | 100.8 | 99.6 | 92.5 | | | |
| | 100 | 78.8 | 80.8 | 82.4 | 82.9 | 82.9 | 83.8 | 86.1 | 87.9 | 90.7 | 95.4 | 99.0 | 101.7 | 99.3 | 93.9 | | | |
| NFA | 125 | 81.0 | 80.7 | 83.5 | 83.5 | 83.6 | 85.4 | 87.5 | 88.1 | 91.5 | 95.9 | 99.4 | 99.7 | 97.8 | 91.7 | | | |
| (0. RAD/SEC) | 160 | 81.2 | 81.8 | 83.4 | 84.3 | 83.9 | 85.8 | 88.5 | 88.8 | 91.6 | 95.8 | 99.9 | 102.1 | 97.6 | 89.1 | | | |
| NFK | 200 | 79.5 | 82.2 | 83.1 | 84.3 | 84.4 | 86.6 | 88.7 | 88.8 | 92.3 | 95.3 | 98.0 | 99.9 | 95.9 | 87.0 | | | |
| (0. RAD/SEC) | 250 | 80.3 | 81.6 | 82.0 | 84.9 | 84.7 | 86.6 | 88.1 | 89.3 | 92.0 | 94.6 | 97.7 | 99.8 | 95.1 | 86.1 | | | |
| NFD | 315 | 79.1 | 81.8 | 82.8 | 83.5 | 83.4 | 85.7 | 87.6 | 89.5 | 92.6 | 94.4 | 96.8 | 98.7 | 92.7 | 82.8 | | | |
| (0. RAD/SEC) | 400 | 78.2 | 81.3 | 81.6 | 83.8 | 84.2 | 85.7 | 87.6 | 89.0 | 92.0 | 94.2 | 96.5 | 97.8 | 91.2 | 80.7 | | | |
| AIRFLOW RATIO | 500 | 74.5 | 77.7 | 80.5 | 82.4 | 82.6 | 85.2 | 87.5 | 88.6 | 91.7 | 93.5 | 95.8 | 94.8 | 87.6 | 77.7 | | | |
| WF/WH 8.00 | 630 | 72.8 | 77.2 | 79.1 | 81.2 | 81.3 | 84.4 | 87.3 | 88.6 | 91.9 | 93.1 | 95.0 | 93.3 | 86.0 | 75.0 | | | |
| | 800 | 71.1 | 75.6 | 78.0 | 80.8 | 82.3 | 84.2 | 86.0 | 88.1 | 90.7 | 91.9 | 93.1 | 91.7 | 83.9 | 72.0 | | | |
| VEHICLE JENOTS | 1000 | 68.7 | 74.5 | 76.9 | 80.0 | 81.0 | 83.9 | 85.5 | 87.3 | 88.8 | 90.9 | 91.1 | 90.0 | 81.9 | 70.1 | | | |
| CONFIG JE-070 | 1250 | 67.1 | 72.5 | 76.4 | 79.4 | 80.7 | 82.5 | 84.6 | 86.2 | 88.2 | 89.3 | 89.1 | 87.3 | 79.1 | 66.3 | | | |
| LOC EVENDALE | 1600 | 63.4 | 70.2 | 74.3 | 77.6 | 79.3 | 81.2 | 83.7 | 84.1 | 85.8 | 87.2 | 86.9 | 84.4 | 75.7 | 61.7 | | | |
| DATE 04-04-75 | 2000 | 58.9 | 67.1 | 71.0 | 74.4 | 77.0 | 79.0 | 81.6 | 81.9 | 83.4 | 83.9 | 83.9 | 80.6 | 71.7 | 56.0 | | | |
| RUN DBTFMODEL BB | 2500 | 53.1 | 62.3 | 67.2 | 71.5 | 73.3 | 75.4 | 78.0 | 78.5 | 80.5 | 80.5 | 80.1 | 76.2 | 65.6 | 47.3 | | | |
| TAPE X80550 | 3150 | 44.7 | 56.0 | 61.3 | 66.7 | 68.3 | 70.9 | 72.9 | 73.8 | 74.5 | 74.9 | 73.6 | 68.7 | 57.5 | 35.8 | | | |
| FAN TIP SPEED | 4000 | 31.9 | 45.4 | 52.1 | 58.7 | 60.4 | 63.5 | 66.0 | 67.0 | 66.9 | 67.4 | 66.7 | 58.9 | 45.8 | 17.8 | | | |
| FT/SEC | 5000 | 24.6 | 39.3 | 46.8 | 54.4 | 55.7 | 57.9 | 60.6 | 61.3 | 61.9 | 62.1 | 60.4 | 51.9 | 37.8 | 7.9 | | | |
| | 6300 | 5.6 | 23.7 | 34.3 | 44.5 | 44.9 | 47.2 | 50.0 | 51.4 | 50.7 | 51.1 | 48.6 | 37.1 | 19.3 | | | | |
| | 8000 | 1.7 | 15.4 | 30.4 | 41.0 | 41.9 | 43.9 | 45.4 | 45.4 | 45.5 | 45.5 | 43.1 | 30.6 | 16.8 | | | | |
| | 10000 | | | | 11.8 | 13.9 | 13.3 | 17.0 | 17.3 | 15.4 | 18.6 | 6.3 | | | | | | |
| OVERALL CALCULATED | | 89.4 | 91.4 | 92.9 | 94.3 | 94.7 | 96.6 | 98.8 | 99.9 | 102.8 | 105.6 | 108.5 | 110.3 | 107.0 | 99.9 | | | |
| PNOB | | 92.2 | 95.8 | 97.6 | 100.0 | 100.9 | 103.0 | 105.3 | 106.2 | 108.5 | 110.6 | 112.6 | 113.0 | 107.7 | 99.4 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 92.7 | 90.0 | 90.8 | 91.9 | 91.9 | 93.0 | 95.8 | 96.3 | 99.3 | 105.3 | 106.8 | 111.5 | 114.5 | 111.6 | | | | 164.4 |
| RDG. NO. 0. | 63 | 97.3 | 95.8 | 96.3 | 94.8 | 94.0 | 95.6 | 98.0 | 99.2 | 101.7 | 107.2 | 112.2 | 118.9 | 119.6 | 116.1 | | | | 169.9 |
| RADIAL 320. FT. | 80 | 98.6 | 97.7 | 97.7 | 96.0 | 95.7 | 96.0 | 99.1 | 99.1 | 103.7 | 108.2 | 114.2 | 118.1 | 119.2 | 116.1 | | | | 169.9 |
| (98. 4) | 100 | 100.5 | 98.9 | 99.4 | 98.3 | 97.8 | 97.8 | 99.7 | 101.4 | 104.8 | 110.3 | 116.0 | 120.0 | 119.5 | 118.0 | | | | 171.3 |
| VEHICLE JENOTS | 125 | 102.3 | 98.9 | 100.0 | 98.4 | 97.8 | 99.7 | 101.7 | 102.4 | 105.4 | 111.6 | 116.2 | 117.4 | 117.6 | 116.9 | | | | 170.2 |
| CCNFIG JE-053 | 160 | 102.5 | 100.2 | 100.2 | 99.1 | 99.0 | 100.2 | 102.2 | 103.0 | 105.5 | 111.4 | 117.1 | 120.0 | 118.2 | 115.2 | | | | 171.2 |
| LCC EVENDALE | 200 | 101.1 | 99.5 | 99.7 | 99.1 | 98.0 | 100.6 | 101.8 | 102.8 | 106.2 | 110.6 | 115.2 | 117.3 | 116.9 | 113.6 | | | | 169.4 |
| DATE 04-04-75 | 250 | 101.7 | 99.2 | 98.4 | 99.8 | 98.8 | 100.7 | 101.4 | 102.7 | 106.1 | 110.0 | 113.8 | 116.6 | 117.0 | 113.1 | | | | 168.9 |
| RUN DBTF- R=436 | 315 | 99.5 | 98.5 | 98.9 | 97.4 | 97.8 | 98.8 | 100.9 | 102.8 | 105.7 | 109.7 | 111.7 | 115.4 | 114.6 | 111.9 | | | | 167.4 |
| TAPE X80560 | 400 | 98.3 | 98.4 | 97.8 | 97.5 | 97.1 | 98.1 | 100.3 | 101.4 | 105.3 | 108.9 | 110.9 | 114.1 | 113.6 | 110.9 | | | | 166.5 |
| BAR 29.9 HG | 500 | 95.8 | 96.1 | 96.1 | 95.9 | 96.3 | 98.2 | 100.2 | 101.1 | 104.9 | 108.0 | 109.4 | 111.9 | 111.4 | 108.9 | | | | 164.9 |
| (01039. N/M2) | 630 | 95.7 | 95.2 | 95.3 | 95.0 | 95.0 | 97.8 | 100.0 | 101.4 | 105.2 | 107.9 | 108.8 | 111.3 | 110.4 | 108.0 | | | | 164.5 |
| TAMB 59. DEG F | 800 | 94.6 | 94.7 | 94.9 | 95.5 | 95.5 | 97.8 | 99.0 | 100.7 | 103.9 | 106.8 | 107.7 | 110.8 | 109.7 | 107.0 | | | | 163.7 |
| (288. DEG K) | 1000 | 94.1 | 93.7 | 94.9 | 95.4 | 95.9 | 97.2 | 98.9 | 100.6 | 103.2 | 106.3 | 107.3 | 109.6 | 109.0 | 106.5 | | | | 163.2 |
| TNET 53. DEG F | 1250 | 93.5 | 93.0 | 94.2 | 95.3 | 95.7 | 96.9 | 98.7 | 100.3 | 103.1 | 105.2 | 106.9 | 108.2 | 108.4 | 106.0 | | | | 162.6 |
| (285. DEG K) | 1600 | 91.3 | 91.6 | 93.0 | 94.0 | 94.4 | 96.1 | 98.1 | 98.7 | 101.7 | 104.5 | 105.7 | 107.1 | 107.8 | 104.2 | | | | 161.7 |
| HACT 8.91 GM/M3 | 2000 | 90.0 | 90.8 | 91.0 | 91.8 | 93.5 | 94.8 | 97.1 | 98.1 | 100.4 | 103.3 | 104.7 | 105.6 | 106.5 | 102.6 | | | | 159.3 |
| (00891 KG/M3) | 2500 | 88.1 | 88.6 | 89.3 | 91.1 | 91.1 | 92.6 | 95.4 | 96.5 | 99.6 | 101.6 | 103.0 | 104.3 | 104.3 | 100.9 | | | | 157.9 |
| FREQ. SHIFT | 3150 | 85.9 | 87.1 | 87.9 | 89.2 | 88.7 | 90.5 | 93.4 | 94.6 | 97.4 | 99.9 | 100.4 | 102.6 | 102.9 | 99.1 | | | | 150.3 |
| JET 9 | 4000 | 83.2 | 84.3 | 84.8 | 85.8 | 86.1 | 88.6 | 91.2 | 92.1 | 94.3 | 97.2 | 99.4 | 100.5 | 100.1 | 96.2 | | | | 154.4 |
| DIAMETER RATIO | 5000 | 81.0 | 81.9 | 82.7 | 83.7 | 83.5 | 85.1 | 88.3 | 89.2 | 92.0 | 95.3 | 96.5 | 97.9 | 98.1 | 95.6 | | | | 154.8 |
| DF/CM 8.00 | 6300 | 78.0 | 80.0 | 80.7 | 82.0 | 80.7 | 82.0 | 86.0 | 87.4 | 89.4 | 94.3 | 96.3 | 96.8 | 98.1 | 96.0 | | | | 157.3 |
| OVERALL CALCULATED | 8000 | 76.6 | 78.8 | 79.1 | 80.6 | 79.4 | 80.2 | 85.4 | 88.0 | 88.4 | 95.8 | 96.9 | 97.8 | 97.8 | 97.6 | | | | 151.6 |
| PND8 | 10000 | 75.8 | 77.1 | 76.9 | 78.9 | 78.4 | 79.3 | 87.3 | 89.0 | 87.9 | 98.9 | 96.5 | 99.2 | 98.7 | 99.4 | | | | 150.2 |
| | | 110.9 | 109.4 | 109.7 | 109.2 | 109.0 | 110.5 | 112.4 | 113.6 | 116.8 | 121.0 | 124.9 | 128.1 | 128.0 | 125.4 | | | | 101.5 |

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT R.H., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | | 50 | 68.8 | 68.4 | 70.8 | 73.0 | 73.7 | 75.2 | 78.2 | 78.5 | 81.1 | 86.4 | 86.7 | 89.9 | 90.6 | 84.3 | | | |
| | NO EGA | 63 | 73.4 | 74.2 | 76.2 | 75.8 | 75.7 | 77.8 | 80.3 | 81.4 | 83.4 | 88.2 | 92.1 | 97.2 | 95.6 | 88.6 | | | |
| | SIDELINE 2400. FT | 80 | 74.5 | 76.0 | 77.6 | 76.9 | 77.4 | 78.1 | 81.4 | 81.2 | 85.4 | 89.2 | 94.1 | 96.3 | 95.1 | 88.5 | | | |
| | (731.52 M) | 100 | 76.3 | 77.1 | 79.2 | 79.2 | 79.4 | 79.8 | 81.9 | 83.4 | 86.4 | 91.2 | 95.7 | 98.2 | 95.3 | 90.2 | | | |
| | NFA 0. RPM | 125 | 78.0 | 76.9 | 79.7 | 79.2 | 79.3 | 81.7 | 83.8 | 84.3 | 87.0 | 92.4 | 95.9 | 95.5 | 93.3 | 88.9 | | | |
| | (0. RAD/SEC) | 160 | 78.0 | 78.1 | 79.7 | 79.8 | 80.5 | 82.1 | 84.2 | 84.9 | 86.9 | 92.1 | 96.7 | 97.9 | 93.7 | 86.9 | | | |
| | NFK 0. RPM | 200 | 76.3 | 77.2 | 79.1 | 79.6 | 80.0 | 82.3 | 83.7 | 84.6 | 87.5 | 91.1 | 94.5 | 95.0 | 92.1 | 85.0 | | | |
| | (0. RAD/SEC) | 250 | 76.6 | 76.6 | 77.6 | 80.1 | 80.0 | 82.3 | 83.1 | 84.3 | 87.2 | 90.4 | 92.9 | 94.0 | 91.8 | 83.9 | | | |
| | NFD 0. RPM | 315 | 73.9 | 75.6 | 77.8 | 77.5 | 78.7 | 80.2 | 82.4 | 84.2 | 86.6 | 89.9 | 90.6 | 92.5 | 89.0 | 82.0 | | | |
| | (0. RAD/SEC) | 400 | 72.2 | 75.1 | 76.3 | 77.3 | 77.8 | 79.2 | 81.6 | 82.5 | 86.0 | 88.7 | 89.5 | 90.8 | 87.5 | 80.2 | | | |
| | AIRFLOW RATIO | 500 | 69.0 | 72.3 | 74.3 | 75.4 | 76.6 | 79.0 | 81.2 | 81.9 | 85.3 | 87.5 | 87.6 | 88.1 | 84.7 | 77.2 | | | |
| | WF/WH 8.00 | 630 | 68.0 | 70.7 | 72.9 | 74.8 | 74.9 | 78.2 | 80.6 | 81.9 | 85.2 | 86.9 | 86.5 | 86.8 | 82.8 | 75.1 | | | |
| | | 800 | 65.9 | 69.4 | 71.8 | 73.9 | 74.8 | 77.7 | 79.1 | 80.6 | 83.3 | 85.2 | 84.6 | 85.5 | 80.9 | 72.3 | | | |
| | VEHICLE JENOTS | 1000 | 64.0 | 67.3 | 71.0 | 73.1 | 74.6 | 76.5 | 78.3 | 79.8 | 81.8 | 83.9 | 83.4 | 83.3 | 78.9 | 69.9 | | | |
| | CONFIG JE-093 | 1250 | 61.7 | 65.3 | 69.2 | 72.0 | 73.6 | 75.3 | 77.4 | 78.8 | 81.0 | 81.9 | 81.9 | 80.6 | 76.6 | 66.8 | | | |
| | LOC EVENDALE | 1600 | 57.1 | 62.2 | 66.5 | 69.4 | 71.0 | 73.4 | 75.7 | 76.1 | 78.3 | 79.9 | 79.2 | 77.6 | 73.6 | 61.4 | | | |
| | DATE 04-04-75 | 2000 | 52.8 | 59.1 | 62.7 | 65.6 | 68.7 | 70.7 | 73.3 | 74.1 | 75.6 | 77.1 | 76.4 | 74.1 | 69.4 | 55.5 | | | |
| | RUN DBTF-R 436 | 2500 | 46.8 | 53.7 | 58.3 | 62.6 | 64.2 | 66.5 | 69.7 | 70.5 | 72.7 | 73.1 | 72.0 | 69.4 | 63.0 | 47.4 | | | |
| | TAPE X80560 | 3150 | 37.9 | 47.1 | 52.6 | 57.1 | 58.4 | 61.3 | 64.5 | 65.4 | 67.1 | 67.8 | 65.2 | 62.5 | 54.9 | 35.6 | | | |
| | FAN TIP SPEED | 4000 | 25.1 | 36.5 | 43.3 | 48.1 | 50.8 | 54.6 | 57.6 | 58.1 | 59.0 | 59.6 | 57.8 | 52.8 | 41.9 | 17.6 | | | |
| | FT/SEC | 5000 | 17.0 | 29.7 | 37.4 | 42.8 | 45.3 | 48.3 | 52.0 | 52.4 | 53.8 | 54.4 | 51.3 | 45.8 | 34.1 | 8.3 | | | |
| | | 6300 | | 14.7 | 24.7 | 31.7 | 33.9 | 37.1 | 41.7 | 42.5 | 42.6 | 44.0 | 40.3 | 31.5 | 16.9 | | | | |
| | | 8000 | | | 6.5 | 15.9 | 19.5 | 22.8 | 28.9 | 30.6 | 28.5 | 31.1 | 24.3 | 12.5 | | | | | |
| | | 10000 | | | | | 0.1 | 4.5 | 13.7 | 14.3 | 9.6 | 14.1 | 2.8 | | | | | | |
| | OVERALL CALCULATED | | 85.8 | 86.6 | 88.5 | 89.1 | 89.6 | 91.5 | 93.5 | 94.5 | 97.3 | 101.0 | 104.1 | 105.7 | 103.3 | 96.9 | | | |
| | PND8 | | 87.9 | 89.7 | 92.0 | 93.6 | 94.3 | 96.5 | 98.5 | 99.6 | 102.3 | 105.1 | 106.8 | 107.6 | 104.3 | 96.9 | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUI, DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|
| REV: ALPHA 12/73 | FREQ: | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) | (4.02) |
| NO EGA | 50 | 90.4 | 87.7 | 88.3 | 89.4 | 89.4 | 91.0 | 93.3 | 94.1 | 97.3 | 102.8 | 105.0 | 110.5 | 112.0 | 109.9 | | | | | | | 162.5 |
| RDG. NO. 0 | 63 | 94.6 | 93.8 | 94.1 | 92.0 | 91.5 | 92.6 | 95.2 | 96.2 | 98.9 | 104.2 | 109.5 | 115.9 | 116.3 | 112.6 | | | | | | | 166.8 |
| RADIAL 320. FT. | 80 | 95.8 | 95.2 | 95.2 | 94.0 | 93.7 | 93.8 | 96.1 | 97.4 | 101.2 | 105.7 | 112.2 | 116.8 | 116.7 | 113.6 | | | | | | | 167.9 |
| (98. 4) | 100 | 98.2 | 95.9 | 96.9 | 96.0 | 95.5 | 95.5 | 96.9 | 98.9 | 102.0 | 107.5 | 113.7 | 117.0 | 116.2 | 116.5 | | | | | | | 168.6 |
| VEHICLE JENOTS | 125 | 100.6 | 96.6 | 97.3 | 96.2 | 95.3 | 96.9 | 98.9 | 99.9 | 103.2 | 108.9 | 114.5 | 116.4 | 115.4 | 114.2 | | | | | | | 168.3 |
| CCNFIC JE-053 | 160 | 100.8 | 98.2 | 98.4 | 97.3 | 97.3 | 98.2 | 99.5 | 100.5 | 103.2 | 109.4 | 116.1 | 119.0 | 116.2 | 113.5 | | | | | | | 169.8 |
| LCC EVE DALE | 200 | 98.9 | 97.8 | 97.7 | 96.8 | 96.6 | 98.6 | 100.1 | 100.6 | 103.7 | 108.6 | 114.2 | 115.8 | 115.4 | 112.3 | | | | | | | 167.9 |
| DATE 04-04-75 | 250 | 98.9 | 96.7 | 95.6 | 97.5 | 96.6 | 98.0 | 98.6 | 99.9 | 103.6 | 107.7 | 112.5 | 115.6 | 114.7 | 110.6 | | | | | | | 167.1 |
| RUN DBTF- R-436 | 315 | 96.5 | 95.5 | 95.9 | 94.4 | 94.3 | 96.3 | 98.1 | 100.1 | 103.5 | 107.2 | 110.2 | 113.9 | 111.6 | 108.2 | | | | | | | 165.2 |
| TAPE X80570 | 400 | 94.6 | 94.7 | 94.0 | 94.0 | 93.3 | 95.6 | 96.8 | 98.9 | 102.1 | 106.9 | 109.4 | 111.9 | 109.8 | 105.1 | | | | | | | 163.8 |
| BAR 29.9 HO | 500 | 91.8 | 92.6 | 92.9 | 92.7 | 92.3 | 94.9 | 96.5 | 97.8 | 102.2 | 105.8 | 107.2 | 109.2 | 106.2 | 102.1 | | | | | | | 161.7 |
| (01039. N/M2) | 630 | 90.4 | 90.9 | 91.0 | 91.8 | 91.5 | 94.0 | 96.5 | 98.2 | 101.7 | 105.2 | 106.1 | 108.0 | 104.2 | 99.0 | | | | | | | 160.8 |
| TAMB 59, DEG F | 800 | 89.4 | 89.7 | 90.4 | 91.5 | 91.3 | 93.6 | 95.0 | 96.7 | 100.4 | 103.3 | 105.0 | 106.3 | 102.7 | 96.7 | | | | | | | 159.4 |
| (288, DEG K) | 1000 | 87.6 | 88.4 | 89.9 | 90.4 | 90.9 | 92.7 | 94.6 | 96.1 | 99.4 | 101.8 | 102.6 | 104.1 | 100.5 | 95.3 | | | | | | | 157.7 |
| TWET 53, DEG F | 1200 | 86.3 | 88.0 | 88.7 | 89.5 | 90.0 | 91.6 | 93.5 | 95.0 | 98.9 | 101.2 | 101.1 | 102.2 | 100.7 | 93.0 | | | | | | | 156.6 |
| (285, DEG K) | 1600 | 84.1 | 86.4 | 87.5 | 88.2 | 89.4 | 90.1 | 93.1 | 94.0 | 96.9 | 99.0 | 99.4 | 100.6 | 96.1 | 92.0 | | | | | | | 155.1 |
| HACT 8.91 CM/M3 | 2000 | 83.0 | 84.8 | 85.8 | 86.3 | 87.2 | 88.8 | 91.1 | 92.1 | 95.4 | 97.1 | 97.5 | 98.5 | 94.0 | 90.9 | | | | | | | 153.4 |
| (00891 KG/M3) | 2500 | 80.6 | 82.6 | 83.6 | 84.6 | 85.9 | 86.3 | 88.9 | 90.0 | 93.3 | 94.8 | 95.0 | 94.8 | 91.8 | 90.1 | | | | | | | 151.3 |
| FREQ. SHIFT | 3150 | 78.4 | 81.4 | 82.1 | 83.0 | 82.5 | 84.2 | 86.1 | 87.4 | 90.9 | 91.9 | 91.9 | 94.1 | 90.4 | 91.1 | | | | | | | 149.6 |
| JET 9 | 4000 | 76.5 | 84.3 | 83.1 | 83.0 | 83.3 | 85.9 | 87.7 | 87.9 | 91.0 | 89.2 | 89.4 | 92.0 | 89.6 | 90.2 | | | | | | | 149.5 |
| DIAMETER RATIO | 5000 | 75.7 | 81.4 | 80.2 | 80.7 | 80.8 | 82.1 | 83.5 | 84.7 | 87.8 | 86.6 | 87.0 | 90.7 | 88.9 | 92.4 | | | | | | | 147.8 |
| DF/CM 8.00 | 6300 | 73.8 | 75.5 | 75.0 | 76.8 | 75.2 | 76.0 | 77.5 | 78.9 | 83.7 | 86.6 | 86.3 | 93.3 | 91.1 | 94.2 | | | | | | | 149.1 |
| OVERALL CALCULATED | 8000 | 75.1 | 75.5 | 74.6 | 76.6 | 75.4 | 75.4 | 76.1 | 78.5 | 84.7 | 88.8 | 86.9 | 95.6 | 93.5 | 96.9 | | | | | | | 153.0 |
| PND | 10000 | 77.2 | 76.3 | 74.4 | 77.7 | 76.9 | 77.5 | 77.8 | 79.8 | 86.2 | 92.2 | 88.5 | 98.2 | 96.5 | 98.4 | | | | | | | 158.0 |
| | | 108.2 | 106.6 | 106.8 | 106.3 | 106.0 | 107.3 | 109.2 | 110.5 | 113.8 | 118.3 | 123.1 | 126.2 | 125.1 | 122.7 | | | | | | | 177.6 |
| | | 113.1 | 112.8 | 112.9 | 113.3 | 113.2 | 114.6 | 116.5 | 117.8 | 121.2 | 124.6 | 127.5 | 130.4 | 128.3 | 126.0 | | | | | | | 179.1 |

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT R.T.L. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. | ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) |
| | | 50 | 66.6 | 66.1 | 68.3 | 70.5 | 71.2 | 73.2 | 75.7 | 76.3 | 79.1 | 83.9 | 85.0 | 88.9 | 88.1 | 82.6 | | | |
| | NO EGA | 63 | 70.6 | 72.2 | 74.0 | 73.0 | 73.2 | 74.8 | 77.5 | 78.4 | 80.7 | 85.2 | 89.4 | 94.2 | 92.4 | 85.1 | | | |
| | SIDELINE 2400. FT. | 80 | 71.8 | 73.5 | 75.1 | 74.9 | 75.4 | 75.9 | 78.4 | 79.5 | 82.9 | 86.7 | 92.1 | 95.1 | 92.6 | 86.0 | | | |
| | (731.52 M) | 100 | 74.0 | 74.1 | 76.7 | 76.9 | 77.1 | 77.6 | 79.1 | 80.9 | 83.7 | 88.4 | 93.5 | 95.2 | 92.0 | 89.7 | | | |
| | NFA 0. RPM | 125 | 76.2 | 74.7 | 77.0 | 77.0 | 76.8 | 78.9 | 81.0 | 81.8 | 84.7 | 89.7 | 94.2 | 94.5 | 91.0 | 86.2 | | | |
| | (0. RAD/SEC) | 160 | 76.2 | 76.1 | 77.9 | 78.0 | 78.7 | 80.1 | 81.5 | 82.4 | 84.6 | 90.1 | 95.7 | 96.9 | 91.7 | 85.1 | | | |
| | NFK 0. RPM | 200 | 74.1 | 75.5 | 77.1 | 77.3 | 78.0 | 80.3 | 82.0 | 82.3 | 85.0 | 89.1 | 93.5 | 93.5 | 90.6 | 83.5 | | | |
| | (0. RAD/SEC) | 250 | 73.8 | 74.1 | 74.8 | 77.9 | 77.7 | 79.6 | 80.4 | 81.5 | 84.7 | 88.1 | 91.7 | 93.0 | 89.6 | 81.4 | | | |
| | NFD 0. RPM | 315 | 70.9 | 72.6 | 74.8 | 74.5 | 75.2 | 77.7 | 79.7 | 81.5 | 84.4 | 87.4 | 89.1 | 91.0 | 86.0 | 78.3 | | | |
| | (0. RAD/SEC) | 400 | 68.4 | 71.3 | 72.6 | 73.8 | 74.0 | 76.7 | 78.1 | 80.0 | 82.7 | 86.7 | 88.0 | 88.6 | 83.7 | 74.4 | | | |
| | AIRFLOW RATIO | 500 | 65.0 | 68.8 | 71.0 | 72.2 | 72.6 | 75.8 | 77.5 | 78.7 | 82.5 | 85.3 | 85.3 | 85.4 | 79.4 | 70.5 | | | |
| | WF/W 8.00 | 630 | 62.8 | 66.5 | 68.6 | 70.8 | 71.4 | 74.4 | 77.1 | 78.6 | 81.7 | 84.2 | 83.7 | 83.6 | 76.6 | 66.1 | | | |
| | | 800 | 60.6 | 64.4 | 67.3 | 69.9 | 70.6 | 73.5 | 75.1 | 76.6 | 79.8 | 81.7 | 81.9 | 81.0 | 73.9 | 62.1 | | | |
| | VEHICLE JENOTS | 1000 | 57.5 | 62.1 | 66.0 | 68.1 | 69.6 | 72.0 | 74.1 | 75.3 | 78.1 | 79.4 | 78.6 | 77.8 | 70.4 | 58.6 | | | |
| | CONFIG JE-053 | 1250 | 54.5 | 60.3 | 63.7 | 66.2 | 67.8 | 70.1 | 72.2 | 73.5 | 76.7 | 77.9 | 76.1 | 74.6 | 66.9 | 53.8 | | | |
| | LCC EVENDALE | 1600 | 49.9 | 56.9 | 61.0 | 63.6 | 66.0 | 67.4 | 70.7 | 71.3 | 73.6 | 74.4 | 72.9 | 71.1 | 61.9 | 49.2 | | | |
| | DATE 04-04-75 | 2000 | 45.8 | 53.1 | 57.4 | 60.1 | 62.4 | 64.7 | 67.3 | 68.1 | 70.6 | 70.9 | 69.1 | 66.8 | 56.9 | 43.7 | | | |
| | RUN DBTF- R 436 | 2500 | 39.3 | 47.7 | 52.6 | 56.1 | 59.0 | 60.3 | 63.2 | 64.0 | 66.4 | 66.4 | 64.0 | 59.9 | 50.5 | 36.7 | | | |
| | TAPE X80570 | 3150 | 30.4 | 41.3 | 46.9 | 50.8 | 52.2 | 55.0 | 57.2 | 58.2 | 60.6 | 59.8 | 56.7 | 54.0 | 42.4 | 27.6 | | | |
| | FAN TIP SPEED | 4000 | 18.3 | 36.5 | 41.5 | 45.3 | 48.0 | 51.9 | 54.1 | 53.9 | 55.7 | 51.6 | 47.8 | 44.3 | 31.4 | 11.6 | | | |
| | FT/SEC | 5000 | 11.7 | 29.2 | 34.9 | 39.8 | 42.5 | 45.3 | 47.2 | 47.9 | 49.6 | 45.7 | 41.8 | 38.5 | 24.9 | 5.1 | | | |
| | | 6300 | | 10.2 | 18.9 | 26.4 | 28.4 | 31.1 | 33.2 | 34.0 | 36.9 | 36.3 | 30.3 | 28.0 | | | | | |
| | | 8000 | | | 2.0 | 11.9 | 15.5 | 18.1 | 19.6 | 21.1 | 24.7 | 24.1 | 14.3 | 10.2 | | | | | |
| | | 10000 | | | | | | 2.8 | 4.2 | 5.0 | 7.9 | 7.3 | | | | | | | |
| | OVERALL CALCULATED | | 83.4 | 84.0 | 85.9 | 86.5 | 86.9 | 88.8 | 90.6 | 91.7 | 94.6 | 98.5 | 102.4 | 103.9 | 100.6 | 94.6 | | | |
| | PNDP | | 84.4 | 86.4 | 88.7 | 90.3 | 90.9 | 93.1 | 94.9 | 96.1 | 99.0 | 102.0 | 104.5 | 105.3 | 100.6 | 93.4 | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | PHL | | |
|------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|--|
| REV. | ALPHA 12/73 | FREQ. | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | PHL | |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | NO EGA | 50 | 96.2 | 94.5 | 94.6 | 96.4 | 97.2 | 99.8 | 100.6 | 103.3 | 109.8 | 111.3 | 116.5 | 118.7 | 111.6 | | | | | 168.8 | |
| | RDG. NO. | 63 | 100.3 | 100.1 | 99.8 | 99.0 | 98.0 | 99.4 | 101.7 | 103.5 | 105.7 | 111.4 | 116.5 | 122.6 | 122.8 | 119.8 | | | | 173.6 | |
| | RADIAL 320, FM | 80 | 102.6 | 103.0 | 102.0 | 100.2 | 99.5 | 100.0 | 103.1 | 103.4 | 107.9 | 112.7 | 119.5 | 123.3 | 123.4 | 119.6 | | | | 174.6 | |
| | (90. M) | 100 | 103.7 | 102.9 | 103.6 | 102.8 | 101.5 | 101.8 | 104.4 | 106.4 | 109.3 | 113.0 | 121.0 | 124.5 | 123.5 | 121.7 | | | | 175.7 | |
| | VEHICLE JENOTS | 125 | 106.1 | 103.4 | 103.5 | 103.2 | 102.3 | 103.2 | 105.7 | 106.9 | 110.7 | 113.9 | 121.5 | 122.4 | 122.1 | 119.4 | | | | 174.9 | |
| | CONFIG JE-053 | 160 | 106.4 | 105.2 | 105.3 | 104.5 | 103.7 | 104.4 | 106.4 | 107.1 | 110.7 | 115.3 | 123.3 | 125.4 | 121.2 | 117.2 | | | | 176.1 | |
| | LOC EVENDALE | 200 | 108.1 | 108.0 | 106.5 | 105.3 | 104.1 | 105.3 | 107.1 | 107.7 | 111.1 | 115.3 | 121.4 | 123.3 | 120.7 | 115.5 | | | | 174.7 | |
| | DATE 04-04-75 | 250 | 110.4 | 109.4 | 108.1 | 109.3 | 107.1 | 106.2 | 107.1 | 107.7 | 111.1 | 114.5 | 120.0 | 123.4 | 120.2 | 115.4 | | | | 174.4 | |
| | RUN DBTF- R-320 | 315 | 108.4 | 108.2 | 108.4 | 108.9 | 107.5 | 106.8 | 107.1 | 108.1 | 111.4 | 114.0 | 119.4 | 122.3 | 117.6 | 113.1 | | | | 173.5 | |
| | TAPE X80380 | 400 | 106.5 | 106.6 | 107.0 | 107.2 | 107.1 | 108.1 | 108.0 | 107.9 | 111.3 | 114.3 | 118.7 | 120.8 | 116.6 | 112.1 | | | | 172.7 | |
| | BAR 29.9 HG | 500 | 103.3 | 104.3 | 104.8 | 105.7 | 104.7 | 106.7 | 108.0 | 108.3 | 111.1 | 113.0 | 117.6 | 118.9 | 114.4 | 110.1 | | | | 171.3 | |
| | (01039, N/M2) | 630 | 102.1 | 103.1 | 103.7 | 104.5 | 103.7 | 105.5 | 107.2 | 108.9 | 112.5 | 113.4 | 117.1 | 118.3 | 113.4 | 109.0 | | | | 171.0 | |
| | TAMB 59, DEG F | 800 | 100.7 | 102.4 | 103.0 | 103.9 | 103.4 | 104.5 | 106.6 | 107.9 | 111.6 | 112.2 | 116.4 | 117.0 | 111.9 | 107.4 | | | | 170.0 | |
| | (288, DEG K) | 1000 | 100.1 | 101.4 | 101.9 | 103.4 | 103.1 | 104.9 | 106.3 | 107.8 | 110.9 | 111.7 | 115.5 | 115.6 | 111.2 | 107.0 | | | | 169.3 | |
| | THET 53, DEG F | 1250 | 99.2 | 100.6 | 101.9 | 103.2 | 102.9 | 104.1 | 105.9 | 107.2 | 110.6 | 111.6 | 114.8 | 114.7 | 110.4 | 106.2 | | | | 168.9 | |
| | (285, DEG K) | 1600 | 98.4 | 99.7 | 100.8 | 102.2 | 102.9 | 103.6 | 105.7 | 106.3 | 109.2 | 110.6 | 114.0 | 113.4 | 109.6 | 105.3 | | | | 168.1 | |
| | HACT 8.91 GM/M3 | 2000 | 95.8 | 98.3 | 99.3 | 100.6 | 102.0 | 102.3 | 105.2 | 105.4 | 107.7 | 109.1 | 112.7 | 112.5 | 108.5 | 103.4 | | | | 167.1 | |
| | (.00891 KG/M3) | 2500 | 94.4 | 97.0 | 97.7 | 99.2 | 99.2 | 100.4 | 103.3 | 103.8 | 107.2 | 107.7 | 111.1 | 110.9 | 106.4 | 102.0 | | | | 165.9 | |
| | FREQ. SHIFT | 3150 | 92.5 | 95.0 | 95.7 | 98.4 | 98.1 | 98.9 | 101.0 | 102.0 | 104.5 | 106.1 | 109.3 | 108.7 | 105.3 | 100.2 | | | | 164.4 | |
| | JET 9 | 4000 | 89.8 | 92.1 | 93.1 | 95.3 | 94.5 | 96.5 | 99.1 | 99.8 | 101.7 | 103.9 | 108.0 | 106.6 | 103.2 | 97.6 | | | | 163.1 | |
| | DIAMETER. RATIO | 5000 | 87.8 | 91.0 | 91.8 | 93.8 | 92.4 | 93.7 | 96.1 | 96.8 | 99.4 | 101.2 | 105.9 | 104.1 | 101.0 | 96.0 | | | | 161.2 | |
| | DF/DM 8.00 | 6300 | 86.1 | 88.0 | 89.8 | 91.1 | 90.2 | 91.3 | 93.3 | 94.5 | 96.8 | 99.4 | 105.2 | 102.9 | 99.2 | 95.6 | | | | 161.0 | |
| | | 8000 | 84.6 | 86.8 | 87.0 | 89.4 | 88.2 | 89.0 | 91.5 | 92.5 | 95.2 | 99.4 | 103.9 | 101.4 | 98.6 | 96.4 | | | | 161.7 | |
| | | 10000 | 84.8 | 85.9 | 85.4 | 87.4 | 87.4 | 88.0 | 89.1 | 92.0 | 93.2 | 101.0 | 102.8 | 101.8 | 99.0 | 98.0 | | | | 164.2 | |
| | OVERALL CALCULATED | | 117.1 | 116.9 | 116.8 | 117.2 | 116.3 | 117.1 | 118.7 | 119.6 | 122.8 | 125.8 | 131.2 | 133.6 | 131.6 | 128.2 | | | | 185.4 | |
| | PND8 | | 124.0 | 124.4 | 124.6 | 125.8 | 125.5 | 126.3 | 128.5 | 129.3 | 132.4 | 134.3 | 138.5 | 139.4 | 136.2 | 132.3 | | | | 1.3 | |
| | | | | | | | | | | | | | | | | | | | | 196.7 | |

1154

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F. 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 | 0 |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) |
| REV. ALPHA 12/73 | FREQ. | | | | | | | | | | | | | | | | | | |
| | 50 | 72.3 | 72.9 | 74.5 | 77.5 | 78.2 | 79.4 | 82.2 | 82.8 | 85.1 | 90.9 | 91.2 | 94.9 | 94.9 | 87.3 | | | | |
| NO EGA | 63 | 76.4 | 78.4 | 79.7 | 80.0 | 79.7 | 81.5 | 84.0 | 85.6 | 87.4 | 92.5 | 96.4 | 101.0 | 98.9 | 92.4 | | | | |
| SIDELINE 2400' FT. | 80 | 78.5 | 81.2 | 81.8 | 81.2 | 81.2 | 82.1 | 85.4 | 85.5 | 89.6 | 93.7 | 99.3 | 101.6 | 99.4 | 92.0 | | | | |
| (731.52 M) | 100 | 79.5 | 81.1 | 83.4 | 83.7 | 83.1 | 83.8 | 86.6 | 88.4 | 90.9 | 95.9 | 100.7 | 102.7 | 99.3 | 93.9 | | | | |
| NFA | 125 | 81.7 | 81.4 | 83.2 | 84.0 | 83.8 | 85.2 | 87.8 | 88.8 | 92.2 | 96.7 | 101.2 | 100.5 | 97.8 | 91.4 | | | | |
| (0, RPM) | 160 | 81.9 | 83.0 | 84.8 | 85.2 | 85.1 | 86.3 | 88.4 | 89.0 | 92.1 | 96.0 | 102.8 | 103.3 | 96.6 | 88.8 | | | | |
| (0, RAD/SEC) | 200 | 83.3 | 85.7 | 85.8 | 85.8 | 85.4 | 87.3 | 89.0 | 89.8 | 92.5 | 95.8 | 100.8 | 100.9 | 95.9 | 86.8 | | | | |
| NFK | 250 | 85.3 | 86.9 | 87.3 | 89.6 | 88.2 | 87.8 | 88.9 | 89.3 | 92.2 | 94.8 | 99.2 | 100.8 | 95.1 | 86.1 | | | | |
| (0, RAD/SEC) | 315 | 82.9 | 85.3 | 87.3 | 89.0 | 88.4 | 88.2 | 88.6 | 89.5 | 92.4 | 94.1 | 98.3 | 99.4 | 92.0 | 83.3 | | | | |
| (0, RPM) | 400 | 80.4 | 83.3 | 85.6 | 87.0 | 87.7 | 89.2 | 89.3 | 89.0 | 92.0 | 94.2 | 97.2 | 97.5 | 90.4 | 81.4 | | | | |
| (0, RAD/SEC) | 500 | 76.5 | 80.5 | 83.0 | 85.1 | 85.1 | 87.5 | 89.0 | 89.1 | 91.5 | 92.5 | 95.8 | 95.1 | 87.6 | 78.4 | | | | |
| AIRFLOW RATIO | 630 | 74.5 | 78.7 | 81.4 | 83.5 | 83.6 | 85.9 | 87.8 | 89.3 | 92.4 | 94.7 | 93.8 | 93.8 | 85.8 | 76.0 | | | | |
| WF/WM 8.00 | 800 | 72.0 | 77.0 | 79.9 | 82.2 | 82.7 | 84.4 | 86.7 | 87.8 | 90.9 | 90.6 | 93.3 | 91.7 | 83.1 | 72.7 | | | | |
| VEHICLE | 1000 | 70.0 | 75.0 | 77.9 | 81.0 | 81.8 | 84.2 | 85.8 | 87.0 | 89.5 | 89.4 | 91.6 | 89.2 | 81.1 | 70.3 | | | | |
| CONFIG | 1250 | 67.4 | 73.0 | 76.9 | 79.9 | 80.7 | 82.5 | 84.6 | 85.7 | 88.4 | 88.3 | 89.8 | 87.0 | 78.6 | 67.0 | | | | |
| LOC | 1600 | 64.2 | 70.2 | 74.3 | 77.6 | 79.5 | 81.0 | 83.2 | 83.6 | 85.8 | 86.0 | 87.5 | 83.9 | 75.4 | 62.5 | | | | |
| DATE 04-04-75 | 2000 | 58.6 | 66.6 | 71.0 | 74.4 | 77.2 | 78.3 | 81.4 | 81.4 | 82.9 | 82.9 | 84.4 | 80.8 | 71.4 | 56.3 | | | | |
| RUN DBTF- R=320 | 2500 | 53.1 | 62.1 | 66.7 | 70.7 | 72.3 | 74.4 | 77.5 | 77.8 | 80.3 | 79.2 | 80.1 | 76.0 | 65.1 | 48.5 | | | | |
| TAPE | 3150 | 44.5 | 55.0 | 60.5 | 66.2 | 67.8 | 69.6 | 72.1 | 72.8 | 74.2 | 73.9 | 74.1 | 68.7 | 57.2 | 36.8 | | | | |
| X80580 | 4000 | 31.7 | 44.4 | 51.6 | 57.7 | 59.2 | 62.5 | 65.5 | 65.8 | 66.4 | 66.2 | 66.4 | 58.9 | 45.0 | 19.0 | | | | |
| FAN TIP SPEED | 5000 | 23.8 | 38.8 | 46.5 | 52.9 | 54.2 | 56.9 | 59.8 | 60.0 | 61.2 | 60.3 | 60.7 | 51.9 | 37.0 | 8.7 | | | | |
| FT/SEC | 6300 | 4.9 | 22.7 | 33.8 | 40.8 | 43.4 | 46.4 | 49.0 | 49.6 | 50.0 | 49.1 | 49.1 | 37.6 | 18.0 | | | | | |
| | 8000 | | 1.4 | 14.4 | 24.7 | 28.3 | 31.6 | 34.9 | 35.2 | 35.3 | 34.6 | 31.3 | 16.0 | | | | | | |
| | 10000 | | | 2.6 | 9.1 | 13.3 | 15.5 | 17.3 | 14.9 | 16.1 | 7.1 | | | | | | | | |
| OVERALL CALCULATED | | 91.7 | 93.8 | 95.3 | 96.8 | 96.6 | 97.7 | 99.3 | 100.1 | 103.0 | 105.7 | 110.1 | 111.1 | 107.0 | 99.9 | | | | |
| PND8 | | 95.2 | 98.1 | 100.2 | 102.3 | 102.5 | 104.0 | 105.5 | 106.0 | 109.7 | 110.3 | 115.7 | 118.6 | 107.0 | 99.5 | | | | |

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Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PHL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. | (0. | (0. | |
| NO EGA | 50 | 95.2 | 92.7 | 93.1 | 94.9 | 94.9 | 95.7 | 98.8 | 99.3 | 102.8 | 108.3 | 110.3 | 115.5 | 118.5 | 115.1 | | | | 168.2 |
| RDG. NO. 0. | 63 | 98.1 | 98.6 | 98.6 | 97.3 | 96.5 | 97.4 | 101.0 | 102.2 | 104.9 | 109.7 | 115.0 | 121.1 | 121.1 | 118.1 | | | | 172.0 |
| RADIAL 320. FT. | 80 | 99.6 | 100.7 | 100.2 | 98.5 | 98.2 | 98.8 | 101.4 | 102.1 | 106.9 | 112.0 | 118.5 | 122.1 | 122.4 | 119.1 | | | | 173.5 |
| (98. M) | 100 | 100.7 | 100.9 | 101.6 | 100.8 | 99.8 | 100.3 | 102.4 | 104.6 | 108.3 | 114.0 | 119.2 | 122.0 | 121.5 | 120.7 | | | | 173.8 |
| VEHICLE JENOTS | 125 | 103.3 | 101.4 | 102.3 | 101.4 | 100.5 | 102.2 | 104.4 | 105.6 | 109.2 | 115.4 | 121.0 | 121.2 | 120.9 | 118.7 | | | | 173.8 |
| CONFIG JE-053 | 160 | 105.0 | 103.5 | 103.6 | 103.3 | 101.5 | 103.0 | 105.4 | 105.7 | 109.7 | 115.2 | 122.6 | 124.5 | 121.2 | 117.7 | | | | 175.5 |
| LOC EVENDALE | 200 | 108.4 | 108.3 | 106.2 | 105.3 | 103.1 | 104.5 | 106.6 | 107.0 | 110.1 | 114.6 | 120.9 | 122.8 | 120.4 | 116.3 | | | | 174.3 |
| DATE 04-04-75 | 250 | 110.9 | 109.4 | 107.9 | 108.3 | 105.1 | 104.7 | 105.9 | 106.9 | 110.3 | 114.0 | 120.0 | 122.1 | 119.2 | 115.4 | | | | 173.7 |
| RUN DBTF- R320 | 315 | 108.9 | 108.9 | 109.1 | 108.6 | 106.7 | 105.6 | 105.6 | 106.8 | 109.9 | 113.5 | 117.6 | 120.6 | 117.1 | 114.1 | | | | 172.3 |
| TAPE X80590 | 400 | 106.8 | 107.1 | 107.3 | 108.2 | 107.3 | 107.6 | 106.8 | 106.6 | 109.8 | 112.8 | 116.9 | 119.6 | 116.1 | 112.9 | | | | 171.6 |
| BAR 29.9 HG | 500 | 104.5 | 105.0 | 105.6 | 105.7 | 105.0 | 106.9 | 107.5 | 106.8 | 109.6 | 111.7 | 114.9 | 117.4 | 114.4 | 110.9 | | | | 170.0 |
| (01039, N/M2) | 630 | 102.6 | 104.1 | 103.7 | 104.5 | 103.4 | 105.0 | 106.9 | 107.4 | 110.0 | 111.6 | 114.6 | 117.0 | 112.9 | 109.2 | | | | 169.5 |
| TAMB 59, DEG F | 800 | 101.6 | 102.9 | 103.3 | 104.4 | 103.2 | 104.3 | 105.5 | 106.4 | 109.6 | 111.0 | 113.2 | 115.5 | 112.4 | 107.6 | | | | 168.5 |
| (288, DEG K) | 1000 | 100.6 | 101.9 | 102.6 | 103.6 | 102.9 | 103.9 | 104.6 | 106.0 | 108.6 | 110.0 | 112.8 | 114.6 | 111.0 | 107.5 | | | | 167.8 |
| TWET 53, DEG F | 1250 | 99.7 | 101.1 | 101.7 | 103.2 | 102.9 | 102.8 | 104.2 | 105.5 | 108.6 | 109.4 | 112.3 | 114.2 | 110.4 | 107.0 | | | | 167.5 |
| (285, DEG K) | 1600 | 98.6 | 99.9 | 101.0 | 102.0 | 101.7 | 101.9 | 103.9 | 104.3 | 107.0 | 108.6 | 110.7 | 112.9 | 109.4 | 105.5 | | | | 166.5 |
| HACT 8.91 GH/M3 | 2000 | 96.5 | 98.3 | 99.1 | 100.6 | 100.5 | 101.1 | 103.2 | 103.7 | 105.7 | 107.1 | 110.0 | 111.0 | 108.6 | 103.7 | | | | 165.4 |
| (.00891 KG/M3) | 2500 | 94.7 | 96.2 | 96.7 | 98.7 | 98.5 | 98.9 | 101.0 | 101.8 | 104.4 | 105.7 | 108.6 | 109.4 | 106.7 | 101.7 | | | | 164.1 |
| FREQ. SHIFT | 3150 | 92.3 | 94.5 | 95.7 | 97.4 | 95.9 | 96.9 | 99.3 | 99.8 | 102.0 | 103.3 | 106.5 | 107.2 | 105.0 | 100.2 | | | | 162.5 |
| JET 9 | 4000 | 89.6 | 91.6 | 92.7 | 93.9 | 93.0 | 94.5 | 97.1 | 97.3 | 99.4 | 101.6 | 105.0 | 105.4 | 103.2 | 96.6 | | | | 161.2 |
| DIAMETER RATIO | 5000 | 88.1 | 89.8 | 90.5 | 92.1 | 90.9 | 91.9 | 93.6 | 94.5 | 96.9 | 99.0 | 103.2 | 102.3 | 101.0 | 96.3 | | | | 159.2 |
| DF/DM 8.00 | 6300 | 85.6 | 87.3 | 88.8 | 89.6 | 88.2 | 89.3 | 91.3 | 92.0 | 94.3 | 97.4 | 101.2 | 101.4 | 100.2 | 95.8 | | | | 158.8 |
| OVERALL CALCULATED | 8000 | 84.4 | 86.3 | 86.5 | 88.2 | 86.7 | 87.2 | 88.7 | 90.3 | 92.5 | 97.6 | 99.9 | 99.6 | 99.6 | 96.4 | | | | 159.6 |
| PNOB | 10000 | 84.5 | 85.9 | 84.9 | 86.9 | 86.7 | 87.5 | 88.1 | 90.5 | 90.7 | 100.9 | 100.3 | 99.8 | 100.0 | 98.2 | | | | 162.9 |
| | | 117.0 | 116.9 | 116.6 | 116.9 | 115.5 | 116.2 | 117.4 | 118.1 | 121.2 | 124.8 | 130.0 | 132.3 | 130.7 | 127.8 | | | | 184.2 |
| | | 124.1 | 124.4 | 124.6 | 125.2 | 124.4 | 125.1 | 126.8 | 127.5 | 130.2 | 132.7 | 136.3 | 138.1 | 135.8 | 132.1 | | | | 185.5 |

1156

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEC. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, |
| | | | | | | | | | | | | | | | | | | |
| NO EGA | 50 | 71.3 | 71.1 | 73.0 | 76.0 | 76.7 | 77.9 | 81.2 | 81.5 | 84.6 | 89.4 | 90.2 | 93.9 | 94.6 | 87.8 | | | |
| SIDELINE 2400. FT. | 63 | 74.1 | 76.9 | 78.5 | 78.3 | 78.2 | 79.5 | 83.3 | 84.4 | 86.7 | 90.7 | 94.9 | 99.5 | 97.1 | 90.6 | | | |
| (731.52 H) | 80 | 75.5 | 79.0 | 80.1 | 79.4 | 79.9 | 80.9 | 83.6 | 84.2 | 88.6 | 92.9 | 98.3 | 100.3 | 98.4 | 91.5 | | | |
| NFA | 100 | 76.5 | 79.1 | 81.4 | 81.7 | 81.4 | 82.3 | 84.6 | 86.7 | 89.9 | 94.9 | 99.0 | 100.2 | 97.5 | 92.9 | | | |
| (0, RAD/SEC) | 125 | 79.0 | 79.4 | 82.0 | 82.2 | 82.1 | 84.2 | 86.5 | 87.6 | 90.7 | 96.2 | 100.7 | 99.2 | 96.5 | 90.7 | | | |
| NFK | 160 | 80.5 | 81.3 | 83.2 | 84.0 | 82.9 | 84.8 | 87.5 | 87.6 | 91.1 | 95.8 | 102.2 | 102.4 | 96.6 | 89.3 | | | |
| (0, RPM) | 200 | 83.5 | 86.0 | 85.6 | 85.8 | 84.4 | 86.3 | 88.5 | 88.8 | 91.5 | 95.1 | 100.3 | 100.4 | 95.6 | 87.5 | | | |
| (0, RAD/SEC) | 250 | 85.8 | 86.9 | 87.0 | 88.6 | 86.2 | 86.3 | 87.6 | 88.5 | 91.5 | 94.3 | 99.2 | 99.5 | 94.1 | 86.1 | | | |
| NFD | 315 | 83.4 | 86.1 | 88.1 | 88.7 | 87.7 | 87.0 | 87.1 | 88.2 | 90.9 | 93.6 | 96.6 | 97.7 | 91.5 | 84.3 | | | |
| (0, RPM) | 400 | 80.7 | 83.8 | 85.8 | 88.0 | 88.0 | 88.7 | 88.1 | 87.7 | 90.5 | 92.7 | 95.5 | 96.3 | 89.9 | 82.2 | | | |
| (0, RAD/SEC) | 500 | 77.7 | 81.2 | 83.7 | 85.1 | 85.3 | 87.7 | 88.5 | 87.6 | 90.0 | 91.2 | 93.0 | 93.6 | 87.6 | 79.2 | | | |
| AIRFLOW RATIO | 630 | 75.0 | 79.7 | 81.4 | 83.5 | 83.3 | 85.4 | 87.5 | 87.8 | 89.9 | 90.6 | 92.2 | 92.5 | 85.3 | 76.3 | | | |
| WF/WM 8.00 | 800 | 72.8 | 77.6 | 80.2 | 82.8 | 82.5 | 84.2 | 85.5 | 86.3 | 89.0 | 89.4 | 90.1 | 90.2 | 83.6 | 72.9 | | | |
| VEHICLE | 1000 | 70.5 | 75.5 | 78.7 | 81.3 | 81.5 | 83.2 | 84.0 | 85.3 | 87.3 | 87.6 | 88.8 | 88.2 | 80.9 | 70.8 | | | |
| JENOTS | 1250 | 67.9 | 73.5 | 76.6 | 79.9 | 80.7 | 81.3 | 82.8 | 83.9 | 86.4 | 86.1 | 87.3 | 86.5 | 78.6 | 67.8 | | | |
| CONFIG JE-053 | 1600 | 64.4 | 70.5 | 74.5 | 77.4 | 78.3 | 79.2 | 81.5 | 81.6 | 83.6 | 84.0 | 84.2 | 83.4 | 75.2 | 62.7 | | | |
| LOC EVENDALE | 2000 | 59.4 | 66.6 | 70.7 | 74.4 | 75.7 | 77.0 | 79.4 | 79.6 | 80.9 | 80.9 | 81.6 | 79.3 | 71.2 | 56.5 | | | |
| DATE 04-04-75 | 2500 | 53.4 | 61.3 | 65.7 | 70.2 | 71.6 | 72.9 | 75.3 | 75.8 | 77.5 | 77.2 | 77.6 | 74.5 | 65.5 | 48.3 | | | |
| RUN DBTE- R320 | 3150 | 44.2 | 54.5 | 60.5 | 65.2 | 65.6 | 67.6 | 70.4 | 70.5 | 71.7 | 71.2 | 71.3 | 67.2 | 57.0 | 36.8 | | | |
| TAPE X80590 | 4000 | 31.4 | 43.9 | 51.1 | 56.2 | 57.7 | 60.5 | 63.5 | 63.3 | 64.1 | 63.9 | 63.5 | 57.7 | 45.0 | 18.0 | | | |
| FAN TIP SPEED | 5000 | 24.1 | 37.6 | 45.3 | 51.2 | 52.7 | 55.2 | 57.3 | 57.8 | 58.7 | 58.1 | 57.9 | 50.1 | 37.0 | 8.9 | | | |
| FT/SEC | 6300 | 4.4 | 22.0 | 32.8 | 39.3 | 41.4 | 44.4 | 47.0 | 47.1 | 47.5 | 47.1 | 45.1 | 36.1 | 19.0 | | | | |
| | 8000 | | 0.9 | 13.9 | 23.4 | 26.8 | 29.9 | 32.2 | 32.9 | 32.5 | 32.9 | 27.3 | 14.3 | | | | | |
| | 10000 | | | | 2.1 | 8.4 | 12.8 | 14.5 | 15.8 | 12.4 | 12.6 | 4.6 | | | | | | |
| OVERALL CALCULATED | | 91.4 | 93.7 | 95.1 | 96.4 | 95.7 | 96.8 | 98.2 | 98.8 | 101.5 | 104.8 | 109.0 | 109.8 | 105.9 | 99.4 | | | |
| PNDB | | 95.2 | 98.0 | 100.3 | 102.0 | 102.0 | 103.1 | 104.2 | 104.4 | 106.9 | 109.0 | 112.2 | 112.3 | 107.0 | 99.2 | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

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894

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY = JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | U. | 0. | 0. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 93.7 | 90.5 | 91.3 | 92.2 | 92.7 | 93.7 | 96.6 | 97.1 | 100.3 | 107.3 | 108.3 | 113.9 | 116.2 | 113.1 | | | | 166.2 |
| RDG. NO. 0. | 63 | 97.3 | 96.8 | 97.1 | 95.3 | 94.5 | 96.1 | 98.5 | 99.5 | 102.2 | 107.9 | 112.5 | 118.9 | 119.3 | 115.8 | | | | 169.9 |
| RADIAL 320. FT. | 80 | 98.6 | 98.2 | 98.0 | 97.0 | 96.7 | 96.5 | 99.1 | 100.1 | 104.7 | 110.7 | 117.2 | 120.6 | 120.2 | 116.1 | | | | 171.7 |
| (98. M) | 100 | 99.7 | 98.7 | 99.6 | 99.0 | 98.3 | 98.5 | 100.4 | 102.4 | 105.5 | 112.3 | 118.2 | 120.5 | 119.7 | 118.7 | | | | 172.2 |
| VEHICLE JENOTS | 125 | 102.1 | 99.6 | 99.8 | 99.4 | 98.8 | | 100.4 | 102.7 | 103.1 | 107.2 | 114.9 | 120.0 | 119.7 | 118.6 | | | | 172.4 |
| CONFIG JE-053 | 160 | 103.3 | 100.7 | 101.7 | 100.6 | 100.5 | 101.5 | 103.2 | 104.0 | 107.7 | 114.7 | 121.4 | 122.8 | 119.2 | 115.2 | | | | 173.9 |
| LOC EVENDALE | 200 | 103.6 | 103.0 | 103.2 | 101.8 | 101.6 | 102.8 | 104.1 | 105.6 | 108.4 | 113.6 | 120.4 | 122.3 | 119.7 | 115.0 | | | | 173.5 |
| DATE 04-04-75 | 250 | 109.9 | 107.2 | 107.4 | 107.3 | 106.8 | 104.7 | 105.1 | 106.4 | 108.8 | 114.0 | 122.8 | 126.6 | 123.7 | 117.4 | | | | 176.9 |
| RUN DBTF- R-436 | 315 | 106.7 | 107.0 | 106.4 | 104.4 | 101.8 | 101.6 | 102.9 | 104.3 | 108.2 | 112.5 | 117.4 | 118.9 | 115.1 | 110.9 | | | | 170.7 |
| TAPE X80600 | 400 | 105.1 | 105.4 | 105.5 | 106.0 | 104.6 | 103.6 | 102.8 | 104.1 | 107.6 | 111.9 | 115.9 | 117.9 | 114.1 | 108.9 | | | | 169.8 |
| BAR 29.9 HG | 500 | 101.5 | 102.3 | 103.1 | 103.9 | 103.5 | 104.4 | 103.7 | 103.8 | 107.2 | 111.0 | 114.9 | 116.4 | 111.7 | 106.6 | | | | 168.6 |
| (01039, N/M2) | 630 | 99.9 | 100.7 | 101.0 | 101.3 | 101.2 | 102.8 | 104.0 | 104.4 | 107.2 | 110.2 | 113.9 | 115.3 | 109.9 | 104.5 | | | | 167.6 |
| TAMB 59, DEG F | 800 | 97.4 | 98.7 | 99.4 | 99.9 | 99.9 | 101.6 | 103.3 | 104.2 | 106.9 | 109.3 | 112.5 | 114.1 | 109.2 | 102.0 | | | | 166.7 |
| (288, DEG K) | 1000 | 96.5 | 97.5 | 98.2 | 99.3 | 99.0 | 100.6 | 102.1 | 103.6 | 106.4 | 108.3 | 111.3 | 112.6 | 108.3 | 101.0 | | | | 165.7 |
| TWET 53, DEG F | 1250 | 94.1 | 96.1 | 96.7 | 98.2 | 97.9 | 98.3 | 100.6 | 101.5 | 104.4 | 106.5 | 109.4 | 110.4 | 105.8 | 97.7 | | | | 164.9 |
| (285, DEG K) | 1600 | 92.7 | 94.0 | 94.8 | 95.8 | 96.7 | 97.8 | 99.4 | 100.1 | 102.9 | 105.3 | 107.7 | 108.8 | 103.5 | 95.6 | | | | 163.9 |
| HACT 8.91 GM/M3 | 2000 | 90.3 | 92.1 | 92.8 | 94.6 | 94.9 | 95.6 | 96.9 | 98.2 | 100.6 | 102.8 | 106.5 | 107.5 | 101.8 | 93.9 | | | | 162.5 |
| (00891 KG/M3) | 2500 | 87.7 | 89.9 | 90.6 | 92.0 | 92.0 | 92.7 | 94.9 | 95.6 | 98.1 | 100.4 | 104.9 | 104.8 | 99.9 | 93.4 | | | | 161.2 |
| FREQ. SHIFT | 3150 | 85.0 | 86.8 | 87.8 | 89.3 | 88.1 | 90.4 | 91.7 | 93.1 | 94.8 | 98.0 | 102.4 | 103.0 | 97.3 | 91.5 | | | | 159.4 |
| JET 9 | 4000 | 83.7 | 85.7 | 85.9 | 87.5 | 86.5 | 87.3 | 88.5 | 89.4 | 92.5 | 94.8 | 100.8 | 100.2 | 96.4 | 92.4 | | | | 157.7 |
| DIAMETER RATIO | 5000 | 82.5 | 84.2 | 84.2 | 86.0 | 84.2 | 85.5 | 86.0 | 87.7 | 89.4 | 92.6 | 100.3 | 98.5 | 95.1 | 94.5 | | | | 155.9 |
| DF/DH 8.00 | 6300 | 83.3 | 85.0 | 83.6 | 86.4 | 84.9 | 85.2 | 85.4 | 87.5 | 87.9 | 92.1 | 99.1 | 97.8 | 94.5 | 96.6 | | | | 155.9 |
| OVERALL CALCULATED | 8000 | 84.8 | 86.3 | 84.1 | 87.7 | 86.7 | 87.5 | 87.3 | 89.3 | 87.2 | 93.2 | 100.0 | 98.5 | 97.0 | 98.7 | | | | 157.2 |
| PNOB | 10000 | 114.9 | 114.1 | 114.4 | 114.1 | 113.5 | 113.7 | 114.7 | 115.8 | 118.9 | 123.8 | 129.5 | 131.9 | 129.6 | 125.7 | | | | 161.0 |
| | | 121.9 | 121.5 | 121.7 | 122.2 | 121.5 | 122.1 | 123.4 | 124.5 | 127.2 | 130.6 | 136.3 | 138.4 | 135.2 | 130.0 | | | | 183.3 |
| | | | | | | | | | | | | | | | | | | | 184.6 |

1158

Model 8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | 0, 0, 0. | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|--|----------|--|--|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | | | |
| REV. ALPHA 12/73 | FREQ. | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 89.8 | 68.9 | 71.3 | 73.2 | 74.4 | 75.9 | 78.9 | 79.3 | 82.1 | 88.4 | 88.2 | 91.9 | 92.4 | 85.8 | | | | | | | |
| NO EGA | 63 | 73.4 | 75.2 | 77.0 | 76.3 | 76.2 | 78.3 | 80.8 | 81.6 | 83.9 | 89.0 | 92.4 | 97.2 | 95.4 | 98.4 | | | | | | | |
| SIDELINE 2430, FT. | 80 | 74.5 | 76.5 | 77.8 | 77.9 | 78.4 | 78.6 | 81.4 | 82.2 | 86.4 | 91.7 | 97.1 | 98.8 | 90.1 | 88.5 | | | | | | | |
| (731.52 M) | 100 | 75.5 | 76.8 | 79.4 | 79.9 | 79.9 | 80.6 | 82.6 | 84.4 | 87.2 | 93.2 | 98.0 | 98.7 | 95.5 | 90.9 | | | | | | | |
| NFA 0, RPM | 125 | 77.7 | 77.7 | 79.5 | 80.2 | 80.3 | 82.4 | 84.8 | 85.1 | 88.7 | 95.7 | 99.7 | 97.7 | 94.3 | 88.7 | | | | | | | |
| (0, RAD/SEC) | 160 | 78.7 | 78.6 | 81.2 | 81.3 | 82.0 | 83.4 | 85.2 | 85.9 | 89.1 | 95.3 | 100.9 | 100.6 | 94.7 | 86.9 | | | | | | | |
| NFK 0, RPM | 200 | 78.8 | 80.7 | 82.6 | 82.3 | 83.0 | 84.6 | 86.0 | 87.3 | 89.7 | 94.1 | 99.8 | 100.0 | 94.9 | 86.3 | | | | | | | |
| (0, RAD/SEC) | 250 | 84.8 | 84.6 | 86.6 | 87.6 | 88.0 | 86.3 | 86.9 | 88.0 | 90.0 | 94.4 | 101.9 | 104.0 | 98.6 | 88.2 | | | | | | | |
| NFD 0, RPM | 315 | 81.2 | 84.1 | 85.3 | 84.5 | 82.7 | 83.0 | 84.4 | 85.7 | 89.1 | 92.6 | 96.3 | 96.0 | 89.5 | 81.0 | | | | | | | |
| (0, RAD/SEC) | 400 | 78.9 | 82.1 | 84.1 | 85.8 | 85.3 | 84.7 | 84.1 | 85.3 | 88.2 | 91.7 | 94.5 | 94.6 | 88.0 | 78.2 | | | | | | | |
| AIRFLOW RATIO | 500 | 74.8 | 78.5 | 81.3 | 83.4 | 83.9 | 85.3 | 84.7 | 84.7 | 87.5 | 90.5 | 93.1 | 92.6 | 84.9 | 75.0 | | | | | | | |
| WF/MM 8.00 | 630 | 72.3 | 76.2 | 78.6 | 80.3 | 81.1 | 83.2 | 84.6 | 84.9 | 87.2 | 89.2 | 91.5 | 90.8 | 82.3 | 71.6 | | | | | | | |
| | 800 | 70.1 | 74.4 | 77.0 | 79.4 | 80.1 | 81.5 | 83.3 | 84.1 | 86.3 | 87.7 | 89.4 | 88.7 | 80.4 | 67.3 | | | | | | | |
| VEHICLE JENOTS | 1000 | 67.3 | 72.3 | 75.5 | 77.6 | 78.6 | 80.2 | 81.6 | 82.8 | 85.1 | 85.9 | 87.4 | 86.3 | 78.2 | 64.4 | | | | | | | |
| CONFIG JE-053 | 1250 | 64.7 | 69.8 | 73.2 | 76.0 | 76.8 | 79.1 | 79.9 | 81.0 | 83.7 | 84.6 | 85.6 | 83.3 | 75.1 | 60.3 | | | | | | | |
| LOC EVENJALE | 1600 | 59.9 | 66.7 | 70.2 | 73.6 | 74.5 | 75.7 | 78.2 | 78.8 | 81.1 | 81.9 | 82.9 | 80.9 | 71.6 | 54.9 | | | | | | | |
| DATE 04-04-75 | 2000 | 55.6 | 62.3 | 66.4 | 69.6 | 71.9 | 73.7 | 75.6 | 76.1 | 78.1 | 79.1 | 79.4 | 77.1 | 66.4 | 48.5 | | | | | | | |
| RUN DBTF- R-436 | 2500 | 49.0 | 57.2 | 61.8 | 66.1 | 68.0 | 69.5 | 71.2 | 72.2 | 73.7 | 74.4 | 75.5 | 72.6 | 60.5 | 40.4 | | | | | | | |
| TAPE X80600 | 3150 | 39.6 | 49.8 | 55.4 | 59.8 | 61.7 | 63.5 | 66.0 | 66.4 | 67.9 | 68.3 | 69.7 | 64.8 | 51.9 | 29.9 | | | | | | | |
| FAN TIP SPLED | 4000 | 26.8 | 39.0 | 46.3 | 51.6 | 52.8 | 56.4 | 58.1 | 59.1 | 59.5 | 60.3 | 60.8 | 55.3 | 39.2 | 12.9 | | | | | | | |
| | 5000 | 19.7 | 33.5 | 40.7 | 46.6 | 48.3 | 50.6 | 52.2 | 52.7 | 54.3 | 53.9 | 55.6 | 46.0 | 32.4 | 5.1 | | | | | | | |
| | 6300 | 1.3 | 18.9 | 20.2 | 35.7 | 37.4 | 40.6 | 41.7 | 42.8 | 42.6 | 42.3 | 44.3 | 33.3 | 13.9 | | | | | | | | |
| | 8000 | | | 11.0 | 21.6 | 24.9 | 27.8 | 28.9 | 30.1 | 28.0 | 27.3 | 26.5 | 12.5 | | | | | | | | | |
| | 10000 | | | | 2.8 | 8.4 | 12.8 | 13.7 | 14.5 | 8.9 | 8.3 | 4.3 | | | | | | | | | | |
| OVERALL CALCULATED | | 89.5 | 91.0 | 93.0 | 93.8 | 94.0 | 94.5 | 95.7 | 96.6 | 99.4 | 103.8 | 108.6 | 109.3 | 104.9 | 97.4 | | | | | | | |
| PND8 | | 93.3 | 95.3 | 97.6 | 99.2 | 99.6 | 100.2 | 101.1 | 102.0 | 104.4 | 107.9 | 112.6 | 113.2 | 107.3 | | | | | | | | |

Model 8

ORIGINAL PAGE IS
OF POOR QUALITY

MODEL 9

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY = JENOTS)
ANGLES FROM INLET IN DEGREES (AND RADIANIS)

| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 77.2 | 75.2 | 80.6 | 78.7 | 80.4 | 80.2 | 81.3 | 83.1 | 84.1 | 86.3 | 84.8 | 91.0 | 94.2 | 93.4 | | | | 145.4 |
| RDG. NO. 0 | 63 | 88.8 | 80.8 | 89.6 | 88.3 | 89.5 | 88.1 | 88.7 | 88.2 | 87.9 | 86.4 | 86.5 | 93.1 | 93.3 | 93.6 | | | | 148.5 |
| RADIAL 320, FT. | 80 | 82.1 | 81.0 | 83.7 | 82.7 | 84.2 | 82.8 | 84.1 | 85.1 | 86.2 | 86.7 | 88.2 | 91.6 | 93.2 | 95.8 | | | | 146.8 |
| (98, M) | 100 | 80.0 | 84.4 | 83.1 | 84.0 | 82.8 | 81.8 | 82.9 | 84.9 | 86.0 | 88.0 | 89.7 | 91.5 | 92.0 | 95.2 | | | | 146.6 |
| VEHICLE JENOTS | 125 | 81.6 | 81.9 | 83.5 | 82.2 | 83.3 | 84.4 | 84.2 | 85.8 | 86.1 | 88.1 | 88.2 | 90.9 | 91.4 | 90.4 | | | | 145.8 |
| CONFIG JE-063 | 160 | 79.7 | 80.2 | 81.9 | 81.5 | 82.2 | 82.4 | 83.9 | 85.2 | 85.2 | 87.4 | 89.1 | 90.0 | 89.7 | 87.2 | | | | 144.9 |
| LOC EVENDALE | 200 | 79.1 | 81.5 | 81.7 | 81.2 | 81.8 | 83.0 | 83.3 | 84.5 | 84.8 | 86.3 | 88.3 | 89.0 | 86.6 | 85.0 | | | | 144.0 |
| DATE 05-09-73 | 250 | 80.1 | 79.6 | 79.5 | 81.4 | 82.2 | 82.6 | 82.3 | 83.6 | 84.0 | 85.1 | 86.9 | 88.3 | 85.6 | 83.0 | | | | 143.2 |
| RUN DBTF-MODEL 9 | 315 | 78.6 | 79.1 | 80.0 | 79.5 | 80.4 | 81.2 | 81.2 | 83.2 | 84.1 | 84.8 | 85.8 | 86.7 | 83.2 | 80.5 | | | | 142.1 |
| TAPE X90010 | 400 | 76.8 | 78.2 | 78.6 | 79.5 | 80.1 | 80.6 | 80.6 | 81.9 | 83.3 | 85.4 | 85.2 | 85.6 | 81.8 | 79.4 | | | | 141.5 |
| BAR 29.4 HQ | 500 | 75.0 | 77.7 | 78.5 | 79.1 | 79.4 | 80.4 | 80.7 | 82.3 | 83.9 | 85.7 | 86.3 | 83.6 | 80.6 | 78.3 | | | | 141.6 |
| (99414, N/M2) | 630 | 75.5 | 78.1 | 79.2 | 79.1 | 79.6 | 80.6 | 80.8 | 82.8 | 84.6 | 86.5 | 86.5 | 84.2 | 80.6 | 78.6 | | | | 142.1 |
| TAM9 74, DEG F | 800 | 75.1 | 78.4 | 79.1 | 79.7 | 80.8 | 81.6 | 81.5 | 83.5 | 84.7 | 85.5 | 86.5 | 83.8 | 80.0 | 78.5 | | | | 142.2 |
| (296, DEG K) | 1000 | 74.5 | 79.3 | 80.3 | 80.5 | 81.8 | 82.3 | 81.7 | 83.9 | 84.5 | 86.2 | 86.4 | 83.2 | 79.9 | 78.6 | | | | 142.6 |
| THET 58, DEG F | 1250 | 74.5 | 79.2 | 80.7 | 81.2 | 82.2 | 82.4 | 81.5 | 83.5 | 84.1 | 85.6 | 85.4 | 82.0 | 79.9 | 78.0 | | | | 142.4 |
| (288, DEG K) | 1600 | 72.5 | 78.5 | 80.4 | 80.6 | 82.2 | 82.0 | 81.3 | 82.4 | 82.6 | 84.1 | 84.1 | 80.5 | 78.5 | 76.9 | | | | 141.6 |
| HACT 0, GH/M3 | 2000 | 70.3 | 76.1 | 78.6 | 78.7 | 80.6 | 80.1 | 79.5 | 81.0 | 81.3 | 83.2 | 82.1 | 78.6 | 76.4 | 74.7 | | | | 140.2 |
| (, KG/M3) | 2500 | 67.3 | 73.8 | 75.5 | 76.3 | 77.1 | 76.5 | 77.2 | 78.2 | 79.6 | 80.1 | 79.0 | 75.7 | 73.8 | 71.6 | | | | 137.7 |
| FREQ. SHIFT | 3150 | 63.8 | 71.0 | 72.5 | 73.6 | 73.1 | 74.1 | 74.0 | 75.3 | 75.8 | 77.0 | 74.8 | 72.2 | 70.8 | 68.8 | | | | 134.9 |
| JET 9 | 4000 | 60.0 | 66.8 | 67.6 | 68.3 | 68.6 | 70.4 | 71.5 | 72.0 | 71.9 | 72.8 | 71.0 | 69.3 | 68.1 | 64.8 | | | | 131.8 |
| DIAMETER RATIO | 5000 | 58.6 | 64.0 | 65.0 | 65.3 | 65.6 | 65.9 | 68.4 | 68.3 | 68.2 | 70.2 | 66.7 | 67.1 | 66.3 | 64.5 | | | | 129.0 |
| DF/DH 8.00 | 6300 | 57.9 | 60.9 | 61.4 | 62.4 | 62.1 | 62.4 | 67.9 | 67.4 | 64.9 | 71.0 | 65.5 | 68.2 | 67.6 | 65.4 | | | | 129.4 |
| OVERALL CALCULATED | 8000 | 59.9 | 58.9 | 59.0 | 60.5 | 61.8 | 60.1 | 69.0 | 69.1 | 65.8 | 73.5 | 67.0 | 70.2 | 69.9 | 68.0 | | | | 132.8 |
| PNOB | 10000 | 60.9 | 58.3 | 58.3 | 59.9 | 62.9 | 60.7 | 71.3 | 71.5 | 67.1 | 76.1 | 68.7 | 72.2 | 71.7 | 69.9 | | | | 137.5 |
| | | 92.6 | 92.3 | 94.7 | 94.3 | 95.2 | 95.1 | 95.4 | 96.6 | 97.2 | 98.6 | 99.2 | 100.8 | 101.0 | 101.6 | | | | 156.7 |
| | | 96.5 | 100.1 | 101.8 | 102.0 | 103.2 | 103.2 | 103.5 | 104.8 | 105.3 | 107.1 | 106.4 | 105.4 | 104.0 | 103.8 | | | | |

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ORIGINAL PAGE IS
OF POOR QUALITY

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | | |
|---|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | |
| REV. ALPHA 12/73 FREQ. | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 53.3 | 53.6 | 60.5 | 59.7 | 62.2 | 62.4 | 63.7 | 65.3 | 65.8 | 67.4 | 64.7 | 69.4 | 70.4 | 66.1 | | | |
| SIDELINE 2400. FT. | | 63 | 64.9 | 59.2 | 69.5 | 69.3 | 71.2 | 70.3 | 71.0 | 70.4 | 69.7 | 67.5 | 66.4 | 71.5 | 69.4 | 66.1 | | | |
| (731.52 M) | | 80 | 58.0 | 59.2 | 63.6 | 63.7 | 65.9 | 64.9 | 66.4 | 67.2 | 67.9 | 67.7 | 68.1 | 69.8 | 69.1 | 68.2 | | | |
| NFA 0. RPM | | 100 | 55.8 | 62.6 | 62.9 | 64.9 | 64.4 | 63.8 | 65.1 | 66.9 | 67.7 | 68.9 | 69.5 | 69.7 | 67.8 | 67.4 | | | |
| (0. RAD/SEC) | | 125 | 57.2 | 59.9 | 63.2 | 63.0 | 64.8 | 66.4 | 66.3 | 67.8 | 67.7 | 68.9 | 67.9 | 69.0 | 67.0 | 62.4 | | | |
| NFK 0. RPM | | 160 | 55.2 | 58.1 | 61.4 | 62.2 | 63.7 | 64.3 | 65.9 | 67.1 | 66.6 | 68.1 | 68.6 | 67.9 | 65.1 | 58.8 | | | |
| (0. RAD/SEC) | | 200 | 54.2 | 59.2 | 61.0 | 61.8 | 63.1 | 64.8 | 65.2 | 66.3 | 66.1 | 66.8 | 67.7 | 66.6 | 61.8 | 56.2 | | | |
| NFD 0. RPM | | 250 | 55.0 | 57.0 | 58.7 | 61.8 | 63.4 | 64.2 | 64.0 | 65.2 | 65.1 | 65.5 | 66.1 | 65.7 | 60.5 | 53.8 | | | |
| (0. RAD/SEC) | | 315 | 53.0 | 56.2 | 58.9 | 59.6 | 61.3 | 62.6 | 62.8 | 64.6 | 65.0 | 65.0 | 64.7 | 63.8 | 57.6 | 50.6 | | | |
| AIRFLOW RATIO | | 400 | 50.7 | 54.9 | 57.1 | 59.3 | 60.8 | 61.8 | 61.9 | 63.1 | 64.0 | 65.2 | 63.8 | 62.3 | 55.7 | 48.7 | | | |
| WF/WM 8.00 | | 500 | 48.2 | 53.9 | 56.7 | 58.6 | 59.8 | 61.2 | 61.7 | 63.1 | 64.2 | 65.2 | 64.4 | 59.8 | 53.8 | 46.6 | | | |
| | | 630 | 47.9 | 53.6 | 56.8 | 58.2 | 59.5 | 61.1 | 61.4 | 63.3 | 64.5 | 65.6 | 64.1 | 59.7 | 52.9 | 45.7 | | | |
| | | 800 | 46.4 | 53.1 | 56.0 | 58.1 | 60.1 | 61.5 | 61.6 | 63.4 | 64.0 | 63.9 | 63.4 | 58.5 | 51.2 | 43.8 | | | |
| VEHICLE JENOTS | | 1000 | 44.4 | 52.9 | 56.3 | 58.2 | 60.4 | 61.6 | 61.2 | 63.2 | 63.2 | 63.8 | 62.5 | 56.9 | 49.8 | 42.0 | | | |
| CONFIG JE-063 | | 1250 | 42.7 | 51.5 | 55.7 | 58.0 | 60.0 | 60.8 | 60.1 | 62.0 | 61.9 | 62.4 | 60.4 | 54.3 | 48.1 | 38.8 | | | |
| LOC EVENDALE | | 1600 | 38.2 | 49.0 | 53.8 | 56.0 | 58.8 | 59.3 | 58.8 | 59.7 | 59.2 | 59.5 | 57.5 | 51.0 | 44.2 | 34.0 | | | |
| DATE 05-09-75 | | 2000 | 33.2 | 44.4 | 50.3 | 52.5 | 55.8 | 56.1 | 55.7 | 56.9 | 56.4 | 57.0 | 53.7 | 46.9 | 39.2 | 27.6 | | | |
| RUN DBTF-MODEL 9 | | 2500 | 26.0 | 38.9 | 44.5 | 47.8 | 50.2 | 50.5 | 51.4 | 52.2 | 52.6 | 51.6 | 48.0 | 40.8 | 32.5 | 18.1 | | | |
| TAPE X90010 | | 3150 | 15.8 | 31.0 | 37.3 | 41.5 | 42.9 | 44.9 | 45.1 | 46.1 | 45.5 | 44.8 | 39.6 | 32.2 | 22.7 | 5.3 | | | |
| FAN TIP SPEED | | 4000 | 1.9 | 19.1 | 26.1 | 30.6 | 33.3 | 36.5 | 37.9 | 38.0 | 36.6 | 35.1 | 29.4 | 21.6 | 10.0 | | | | |
| FT/SEC | | 5000 | | 11.8 | 19.8 | 24.4 | 27.4 | 29.2 | 32.1 | 31.5 | 29.9 | 29.3 | 21.4 | 14.9 | 2.3 | | | | |
| | | 6300 | | | 5.4 | 12.1 | 15.3 | 17.5 | 23.6 | 22.5 | 18.1 | 20.7 | 9.5 | 2.9 | | | | | |
| | | 8000 | | | | | 1.8 | 2.7 | 12.5 | 11.8 | 5.9 | 8.7 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 68.0 | 69.3 | 73.7 | 74.3 | 76.0 | 76.2 | 76.8 | 77.8 | 77.9 | 78.4 | 78.0 | 78.6 | 76.7 | 73.8 | | | |
| PNDB | | | 65.9 | 71.0 | 75.3 | 77.2 | 79.5 | 80.2 | 80.4 | 81.5 | 81.5 | 81.9 | 80.7 | 78.5 | 73.7 | 69.1 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, D-G, F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|--|--|
| | | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 0° | 0° | 0° | | | | |
| SPL INPUT AT STD | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| REV: ALPHA 12/73 FREQ. | | | | | | | | | | | | | | | | | | | | | | |
| NO EGA | | 50 | 56.1 | 55.1 | 62.5 | 62.2 | 64.4 | 64.4 | 65.7 | 68.0 | 68.3 | 69.6 | 66.7 | 71.7 | 72.9 | 68.1 | | | | | | |
| SIDELINE 2400, FT. | | 63 | 54.6 | 57.9 | 62.0 | 62.0 | 63.7 | 65.0 | 67.0 | 68.1 | 68.9 | 68.7 | 69.4 | 73.7 | 71.1 | 66.6 | | | | | | |
| (731.52 M) | | 80 | 57.5 | 63.0 | 66.1 | 65.2 | 65.9 | 66.1 | 67.9 | 69.7 | 70.4 | 69.4 | 70.3 | 72.1 | 70.9 | 68.5 | | | | | | |
| NFA | | 100 | 57.3 | 62.1 | 64.2 | 65.7 | 66.1 | 66.6 | 67.6 | 70.7 | 70.7 | 71.9 | 72.2 | 72.2 | 69.0 | 66.9 | | | | | | |
| 0, RPM | | 125 | 59.0 | 61.7 | 65.2 | 65.2 | 67.3 | 68.2 | 69.5 | 70.1 | 70.7 | 72.2 | 71.1 | 72.0 | 68.3 | 62.7 | | | | | | |
| (0, RAD/SEC) | | 160 | 58.2 | 61.6 | 65.1 | 65.7 | 67.4 | 68.3 | 70.2 | 70.6 | 70.4 | 71.3 | 71.6 | 71.1 | 66.6 | 60.1 | | | | | | |
| NFK | | 200 | 57.7 | 63.2 | 64.8 | 65.5 | 67.9 | 69.3 | 69.7 | 70.8 | 69.9 | 70.8 | 70.7 | 69.6 | 64.6 | 58.0 | | | | | | |
| (0, RAD/SEC) | | 250 | 59.2 | 61.3 | 63.5 | 67.3 | 68.4 | 69.2 | 69.0 | 70.2 | 70.1 | 70.3 | 70.1 | 69.2 | 63.0 | 57.1 | | | | | | |
| NFD | | 315 | 56.8 | 61.4 | 64.2 | 64.4 | 66.3 | 67.6 | 68.3 | 70.1 | 70.0 | 70.2 | 68.7 | 67.6 | 61.4 | 54.4 | | | | | | |
| (0, RAD/SEC) | | 400 | 54.7 | 60.4 | 62.6 | 64.8 | 66.3 | 67.5 | 67.4 | 69.1 | 69.3 | 71.2 | 68.3 | 66.3 | 60.2 | 53.0 | | | | | | |
| AIRFLOW RATIO | | 500 | 52.7 | 58.9 | 61.4 | 64.1 | 65.8 | 67.0 | 67.7 | 69.3 | 70.4 | 71.9 | 68.4 | 64.0 | 58.1 | 51.1 | | | | | | |
| WF/HM 8.00 | | 630 | 52.2 | 59.1 | 62.0 | 64.2 | 66.0 | 67.8 | 68.4 | 71.3 | 72.8 | 73.8 | 68.9 | 64.2 | 57.2 | 50.2 | | | | | | |
| | | 800 | 51.9 | 59.6 | 62.0 | 65.1 | 67.3 | 69.0 | 69.8 | 72.1 | 73.3 | 74.7 | 69.6 | 64.5 | 57.7 | 49.6 | | | | | | |
| VEHICLE JENOTS | | 1000 | 51.4 | 59.4 | 62.6 | 65.2 | 67.7 | 70.1 | 70.7 | 73.2 | 73.9 | 75.3 | 70.7 | 64.9 | 57.3 | 48.7 | | | | | | |
| CONFIG JE-063 | | 1250 | 50.2 | 58.3 | 62.4 | 65.2 | 68.0 | 69.6 | 70.4 | 73.5 | 74.2 | 75.1 | 70.6 | 64.1 | 56.6 | 47.6 | | | | | | |
| LOC EVENDALE | | 1600 | 46.7 | 56.0 | 61.1 | 63.2 | 66.1 | 68.5 | 68.8 | 71.4 | 71.4 | 73.0 | 69.5 | 62.0 | 54.0 | 42.8 | | | | | | |
| DATE 05-09-75 | | 2000 | 42.2 | 52.2 | 57.8 | 60.2 | 63.3 | 65.3 | 66.4 | 68.2 | 68.9 | 69.0 | 66.0 | 58.4 | 50.0 | 37.3 | | | | | | |
| RUN DBTF-MODEL 9 | | 2500 | 35.5 | 46.9 | 52.3 | 55.8 | 58.4 | 60.3 | 61.6 | 63.7 | 63.9 | 63.3 | 59.5 | 51.8 | 43.0 | 28.1 | | | | | | |
| TAPE X90030 | | 3150 | 24.5 | 39.0 | 45.5 | 49.2 | 51.4 | 54.2 | 55.9 | 57.3 | 56.5 | 55.7 | 49.1 | 41.4 | 31.0 | 13.3 | | | | | | |
| FAN TIP SPEED | | 4000 | 10.6 | 27.4 | 34.8 | 39.4 | 42.3 | 46.0 | 47.7 | 48.2 | 46.8 | 46.1 | 39.4 | 29.9 | 16.7 | | | | | | | |
| FT/SEC | | 5000 | 1.8 | 19.8 | 28.5 | 33.7 | 36.2 | 38.7 | 40.6 | 41.3 | 40.2 | 38.1 | 30.2 | 20.6 | 7.5 | | | | | | | |
| | | 6300 | | 2.1 | 14.4 | 20.6 | 24.3 | 26.5 | 28.6 | 29.7 | 27.3 | 26.0 | 19.5 | 9.7 | | | | | | | | |
| | | 8000 | | | | 4.8 | 10.6 | 12.2 | 14.8 | 14.8 | 10.4 | 11.2 | | | | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 68.0 | 72.6 | 75.6 | 77.0 | 78.9 | 80.3 | 81.1 | 83.0 | 83.5 | 84.5 | 82.2 | 81.6 | 78.7 | 74.5 | | | | | | |
| PNDB | | | 70.3 | 76.9 | 81.1 | 83.3 | 85.7 | 87.7 | 88.4 | 90.6 | 90.8 | 91.8 | 88.6 | 83.9 | 77.5 | 71.1 | | | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)

| SPL INPUT AT STD
REV: ALPHA 12/73 | FREQ. | ANGLES FROM INLET (IN DEGREES (AND RADIAN)) | | | | | | | | | | | | | | | | | PWL |
|--------------------------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 82.4 | 79.7 | 86.8 | 83.9 | 85.7 | 85.9 | 86.6 | 89.1 | 90.1 | 92.8 | 92.0 | 97.8 | 101.0 | 97.6 | | | | 151.6 |
| RDG. NO. 01 | 63 | 82.3 | 83.3 | 85.6 | 84.0 | 85.5 | 86.6 | 88.7 | 89.5 | 90.9 | 92.2 | 94.2 | 98.9 | 99.1 | 96.6 | | | | 151.5 |
| RADIAL 320. FT. | 80 | 83.1 | 85.5 | 86.5 | 85.0 | 86.5 | 86.3 | 88.6 | 90.4 | 91.4 | 92.7 | 95.2 | 98.3 | 98.7 | 97.8 | | | | 151.7 |
| (98. M) | 100 | 84.2 | 86.2 | 86.4 | 87.0 | 88.0 | 87.8 | 88.7 | 91.1 | 92.0 | 95.5 | 96.7 | 98.0 | 96.5 | 96.0 | | | | 152.0 |
| VEHICLE JENOTS | 125 | 86.1 | 85.6 | 88.0 | 86.9 | 88.3 | 89.2 | 90.4 | 91.1 | 93.1 | 95.8 | 96.7 | 97.4 | 94.6 | 91.9 | | | | 151.8 |
| CONFIG JE-063 | 160 | 85.5 | 86.7 | 88.1 | 88.3 | 89.2 | 89.4 | 90.9 | 92.2 | 92.9 | 95.6 | 97.3 | 96.7 | 93.7 | 90.7 | | | | 151.9 |
| LOC EVENDALE | 200 | 85.6 | 87.7 | 88.2 | 88.7 | 89.8 | 90.7 | 91.3 | 92.2 | 93.3 | 95.8 | 96.3 | 96.0 | 93.4 | 89.7 | | | | 151.8 |
| DATE 05-09-75 | 250 | 86.8 | 87.3 | 87.3 | 90.4 | 90.7 | 90.9 | 91.3 | 93.1 | 93.7 | 96.1 | 96.2 | 96.3 | 93.4 | 89.8 | | | | 152.2 |
| RUN DBTF-MODEL 9 | 315 | 86.3 | 88.1 | 88.5 | 88.7 | 89.1 | 90.7 | 91.7 | 93.7 | 94.8 | 96.6 | 96.0 | 95.7 | 92.7 | 89.5 | | | | 152.2 |
| TAPE X90050 | 400 | 85.3 | 88.4 | 88.6 | 90.2 | 90.6 | 90.9 | 91.6 | 93.9 | 94.6 | 97.4 | 95.4 | 95.6 | 92.3 | 89.9 | | | | 152.5 |
| BAR 29.4 HG | 500 | 84.0 | 88.2 | 88.8 | 90.1 | 90.9 | 91.1 | 91.9 | 94.3 | 95.9 | 98.0 | 94.9 | 94.1 | 91.9 | 89.3 | | | | 152.7 |
| (99381, N/M2) | 630 | 84.3 | 88.1 | 88.9 | 90.6 | 91.6 | 92.4 | 93.6 | 96.1 | 98.1 | 99.3 | 95.0 | 94.7 | 91.6 | 88.9 | | | | 154.0 |
| TAMD 74, DEG F | 800 | 84.6 | 88.9 | 90.6 | 92.2 | 93.5 | 94.6 | 95.0 | 98.0 | 99.7 | 100.3 | 95.5 | 93.6 | 91.2 | 88.7 | | | | 155.3 |
| (296, DEG K) | 1000 | 86.5 | 90.5 | 91.8 | 93.8 | 95.5 | 96.1 | 97.0 | 99.9 | 101.5 | 101.7 | 96.9 | 94.0 | 91.4 | 89.1 | | | | 157.0 |
| THET 58, DEG F | 1250 | 87.7 | 91.7 | 92.9 | 95.7 | 96.4 | 97.6 | 98.5 | 101.5 | 103.4 | 103.4 | 98.6 | 95.0 | 92.7 | 90.3 | | | | 158.8 |
| (288, DEG K) | 1600 | 88.5 | 92.8 | 93.6 | 96.1 | 97.0 | 98.5 | 99.5 | 102.4 | 103.3 | 104.6 | 99.8 | 96.5 | 94.5 | 91.6 | | | | 159.7 |
| HACT 0. G4/M3 | 2000 | 86.6 | 91.1 | 92.6 | 94.9 | 96.6 | 97.6 | 99.0 | 101.2 | 102.5 | 103.4 | 99.8 | 96.9 | 93.9 | 90.5 | | | | 159.1 |
| (. KG/M3) | 2500 | 83.3 | 88.1 | 90.3 | 92.1 | 93.1 | 93.6 | 95.4 | 97.4 | 98.6 | 98.8 | 96.5 | 93.2 | 90.5 | 87.3 | | | | 155.5 |
| FREQ. SHIFT | 3150 | 80.1 | 85.3 | 87.3 | 89.6 | 89.9 | 91.4 | 92.5 | 94.5 | 95.8 | 96.1 | 90.8 | 87.5 | 85.5 | 83.0 | | | | 152.9 |
| JET 9 | 4000 | 76.8 | 81.3 | 83.9 | 85.8 | 86.4 | 88.7 | 89.8 | 91.7 | 92.4 | 93.1 | 88.2 | 84.8 | 82.6 | 79.3 | | | | 150.6 |
| DIAMETER RATIO | 5000 | 74.1 | 78.8 | 81.0 | 83.0 | 83.1 | 84.9 | 86.1 | 88.0 | 89.2 | 89.5 | 84.2 | 80.8 | 79.8 | 77.3 | | | | 147.5 |
| DF/DH 8.00 | 6300 | 70.9 | 74.9 | 77.4 | 79.4 | 79.6 | 81.2 | 83.4 | 84.9 | 86.1 | 87.5 | 80.5 | 79.5 | 79.1 | 76.7 | | | | 145.9 |
| OVERALL CALCULATED | 8000 | 69.9 | 71.9 | 73.5 | 75.5 | 75.8 | 79.8 | 81.5 | 83.1 | 83.6 | 84.7 | 78.8 | 80.2 | 80.2 | 77.7 | | | | 146.2 |
| PND8 | 10000 | 70.2 | 69.0 | 70.1 | 71.9 | 73.1 | 80.7 | 81.8 | 82.7 | 80.4 | 87.6 | 79.7 | 81.9 | 81.7 | 79.4 | | | | 148.2 |
| | | | | | | | | | | | | | | | | | | | 167.9 |
| | | 98.2 | 101.3 | 102.5 | 104.2 | 105.3 | 106.2 | 107.3 | 109.7 | 111.1 | 112.1 | 109.4 | 109.0 | 107.8 | 105.4 | | | | |
| | | 108.5 | 112.3 | 113.8 | 115.6 | 116.8 | 117.9 | 119.2 | 121.4 | 122.6 | 123.7 | 120.3 | 118.5 | 116.1 | 113.2 | | | | |

ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | |
| | | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, |
| SPL INPUT AT STD | | 50 | 58.6 | 58.1 | 66.8 | 65.0 | 67.4 | 67.7 | 68.9 | 71.3 | 71.8 | 73.9 | 72.0 | 76.2 | 77.1 | 70.3 | | | |
| REV. ALPHA 12/73 | | 63 | 58.4 | 61.7 | 65.5 | 65.0 | 67.2 | 68.8 | 71.0 | 71.6 | 72.7 | 73.2 | 74.1 | 77.2 | 75.1 | 69.1 | | | |
| NO EGA | | 80 | 59.0 | 63.7 | 66.3 | 65.9 | 68.2 | 68.4 | 70.9 | 72.5 | 73.1 | 73.7 | 75.1 | 76.6 | 74.6 | 70.2 | | | |
| SIDELINE 2400, FT. | | 100 | 60.0 | 64.3 | 66.2 | 67.9 | 69.6 | 69.8 | 70.9 | 73.2 | 73.7 | 76.4 | 76.5 | 76.2 | 72.3 | 68.2 | | | |
| (731.92 M) | | 125 | 61.7 | 63.7 | 67.7 | 67.7 | 69.8 | 71.2 | 72.5 | 73.1 | 74.7 | 76.7 | 76.4 | 75.5 | 70.3 | 63.9 | | | |
| NFA 0, RPM | | 160 | 60.9 | 64.6 | 67.6 | 69.0 | 70.7 | 71.3 | 72.9 | 74.1 | 74.4 | 76.3 | 76.9 | 74.6 | 69.1 | 62.3 | | | |
| NFK 0, RPM | | 200 | 60.7 | 65.4 | 67.5 | 69.3 | 71.1 | 72.5 | 73.2 | 74.0 | 74.6 | 76.3 | 75.7 | 73.6 | 68.6 | 61.0 | | | |
| (0, RAD/SEC) | | 250 | 61.7 | 64.8 | 66.5 | 70.8 | 71.9 | 72.5 | 73.0 | 74.7 | 74.9 | 76.5 | 75.3 | 73.7 | 68.2 | 60.6 | | | |
| NFD 0, RPM | | 315 | 60.8 | 65.2 | 67.4 | 68.9 | 70.1 | 72.1 | 73.3 | 75.1 | 75.7 | 76.7 | 74.9 | 72.8 | 67.1 | 59.6 | | | |
| (0, RAD/SEC) | | 400 | 59.2 | 65.1 | 67.1 | 70.1 | 71.3 | 72.0 | 72.9 | 75.1 | 75.3 | 77.2 | 74.0 | 72.3 | 66.2 | 59.2 | | | |
| AIRFLOW RATIO | | 500 | 57.2 | 64.4 | 66.9 | 69.6 | 71.3 | 72.0 | 72.9 | 75.1 | 76.2 | 77.4 | 73.0 | 70.3 | 65.1 | 57.6 | | | |
| WF/WH 8.00 | | 630 | 56.7 | 63.6 | 66.5 | 69.7 | 71.5 | 72.8 | 74.2 | 76.5 | 78.0 | 78.3 | 72.6 | 70.2 | 63.9 | 55.9 | | | |
| | | 800 | 55.9 | 63.6 | 67.5 | 70.6 | 72.8 | 74.5 | 75.1 | 77.9 | 79.0 | 78.7 | 72.4 | 68.2 | 62.4 | 54.1 | | | |
| VEHICLE JENOTS | | 1000 | 56.4 | 64.2 | 67.8 | 71.4 | 74.2 | 75.3 | 76.4 | 79.2 | 80.2 | 79.3 | 73.0 | 67.6 | 61.3 | 52.5 | | | |
| CONFIG JE-063 | | 1250 | 55.9 | 64.0 | 67.9 | 72.5 | 74.3 | 76.1 | 77.1 | 80.0 | 81.2 | 80.1 | 73.6 | 67.3 | 60.9 | 51.1 | | | |
| LOC EVENDALE | | 1600 | 54.2 | 63.3 | 67.1 | 71.5 | 73.6 | 75.8 | 77.0 | 79.7 | 79.9 | 80.0 | 73.3 | 67.0 | 60.2 | 48.8 | | | |
| DATE 05-09-75 | | 2000 | 49.5 | 59.4 | 64.3 | 68.7 | 71.8 | 73.6 | 75.2 | 77.2 | 77.7 | 77.2 | 71.5 | 65.2 | 56.7 | 43.3 | | | |
| RUN DBTF-MODEL 9 | | 2500 | 42.0 | 53.2 | 59.3 | 63.6 | 66.2 | 67.5 | 69.6 | 71.4 | 71.6 | 70.3 | 65.5 | 58.3 | 49.2 | 33.9 | | | |
| TAPE X90050 | | 3150 | 32.0 | 45.2 | 52.0 | 57.5 | 59.6 | 62.2 | 63.6 | 65.3 | 65.5 | 63.9 | 55.6 | 47.4 | 37.5 | 19.5 | | | |
| FAN TIP SPEED | | 4000 | 18.6 | 33.6 | 42.3 | 48.1 | 51.1 | 54.7 | 56.2 | 57.7 | 57.1 | 55.4 | 46.7 | 37.1 | 24.5 | 0.7 | | | |
| FT/SEC | | 5000 | 10.1 | 26.6 | 35.8 | 42.4 | 44.9 | 48.2 | 49.8 | 51.5 | 50.9 | 48.6 | 38.9 | 28.6 | 15.8 | | | | |
| | | 6300 | | 9.6 | 21.4 | 29.1 | 32.8 | 36.3 | 39.1 | 40.0 | 39.3 | 37.2 | 24.5 | 14.2 | | | | | |
| | | 8000 | | | 1.0 | 10.8 | 15.8 | 22.5 | 25.0 | 25.8 | 23.6 | 22.0 | 6.2 | | | | | | |
| | | 10000 | | | | | | 6.0 | 8.2 | 8.0 | 2.1 | 2.8 | | | | | | | |
| OVERALL CALCULATED | | | 71.2 | 76.1 | 79.3 | 81.9 | 83.9 | 85.2 | 86.4 | 88.9 | 89.4 | 89.7 | 84.8 | 85.8 | 82.6 | 76.6 | | | |
| PNDB | | | 74.8 | 82.5 | 86.4 | 90.1 | 92.3 | 94.0 | 95.4 | 97.6 | 98.1 | 98.2 | 93.2 | 89.0 | 82.8 | 74.5 | | | |

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PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT RLL, HUM, DAY - JENOTS)

| | | PROC. DATE - MONTH 29 DAY 0 HR, 0.3
59, DEG. F, 70 PERCENT RLL, HUM, DAY - JENOTS | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|--|-------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| NO EGA | | 50 | 81.2 | 78.0 | 84.8 | 81.7 | 83.2 | 83.5 | 85.6 | 88.6 | 90.1 | 92.8 | 92.5 | 98.0 | 101.5 | 103.1 | | | | 152.0 |
| RDG. NO. 01 | | 63 | 80.8 | 81.1 | 83.3 | 81.3 | 82.5 | 83.9 | 85.7 | 86.5 | 87.4 | 89.2 | 91.5 | 97.9 | 99.8 | 96.8 | | | | 150.5 |
| RADIAL 320. FT. | | 80 | 83.3 | 84.5 | 86.7 | 84.5 | 86.2 | 86.8 | 87.1 | 87.9 | 89.7 | 90.5 | 93.7 | 98.6 | 99.7 | 100.3 | | | | 151.8 |
| (98. H) | | 100 | 80.5 | 82.7 | 82.4 | 83.3 | 83.3 | 83.5 | 85.2 | 88.1 | 89.5 | 92.3 | 94.5 | 96.8 | 96.5 | 98.2 | | | | 150.3 |
| VEHICLE JENOTS | | 125 | 83.3 | 83.6 | 85.5 | 84.4 | 83.5 | 85.9 | 87.2 | 88.3 | 89.6 | 92.3 | 93.7 | 97.2 | 94.9 | 92.9 | | | | 149.8 |
| CONFIG JE-063 | | 160 | 81.7 | 82.2 | 83.6 | 82.3 | 83.2 | 85.2 | 86.9 | 87.9 | 88.7 | 91.4 | 94.1 | 95.7 | 93.2 | 89.4 | | | | 148.8 |
| LOC EVENDALE | | 200 | 80.3 | 83.0 | 83.2 | 83.7 | 84.1 | 85.5 | 86.0 | 87.7 | 88.3 | 90.5 | 93.3 | 93.7 | 90.6 | 86.5 | | | | 147.8 |
| DATE 05-09-75 | | 250 | 81.6 | 81.3 | 81.5 | 83.9 | 84.7 | 85.1 | 85.3 | 86.8 | 87.7 | 89.4 | 91.7 | 92.9 | 88.4 | 85.0 | | | | 146.6 |
| RUN DBTF-MODEL 9 | | 315 | 79.3 | 81.3 | 82.0 | 82.0 | 82.9 | 83.4 | 83.7 | 85.7 | 86.6 | 88.6 | 89.8 | 89.9 | 84.9 | 82.3 | | | | 145.1 |
| TAPE X90110 | | 400 | 78.1 | 80.9 | 81.1 | 82.5 | 82.4 | 83.4 | 83.8 | 85.4 | 86.1 | 88.6 | 88.4 | 87.9 | 83.8 | 81.2 | | | | 144.4 |
| BAR 29.4 HG | | 500 | 77.0 | 79.5 | 80.3 | 81.6 | 81.9 | 83.4 | 83.4 | 85.3 | 86.6 | 89.2 | 88.3 | 85.6 | 82.1 | 79.8 | | | | 144.2 |
| (99381. N/H2) | | 630 | 77.5 | 80.3 | 81.9 | 82.1 | 82.3 | 83.6 | 84.6 | 86.8 | 88.1 | 90.8 | 89.0 | 85.9 | 82.1 | 80.1 | | | | 145.3 |
| TAMD 74. DEG F | | 800 | 77.4 | 80.9 | 82.1 | 83.7 | 84.5 | 85.3 | 85.5 | 87.2 | 88.9 | 92.0 | 90.2 | 86.6 | 83.2 | 80.7 | | | | 146.5 |
| (296. DEG K) | | 1000 | 77.2 | 82.3 | 84.3 | 84.5 | 85.8 | 86.8 | 86.7 | 88.9 | 89.5 | 92.2 | 90.9 | 86.2 | 83.4 | 81.1 | | | | 147.3 |
| TNET 58. DEG F | | 1250 | 77.5 | 81.7 | 84.2 | 85.2 | 86.4 | 87.4 | 86.2 | 88.3 | 89.9 | 91.6 | 90.9 | 86.0 | 83.4 | 81.5 | | | | 147.4 |
| (288. DEG K) | | 1600 | 75.5 | 80.5 | 82.4 | 84.3 | 85.0 | 86.0 | 85.3 | 86.6 | 87.8 | 90.1 | 88.6 | 84.3 | 82.0 | 80.4 | | | | 145.9 |
| HACT 0. GM/H3 | | 2000 | 72.8 | 79.4 | 80.9 | 82.2 | 83.4 | 84.6 | 83.5 | 85.2 | 86.3 | 88.2 | 85.6 | 81.6 | 79.4 | 78.5 | | | | 144.2 |
| (1. KG/H3) | | 2500 | 70.0 | 76.8 | 78.8 | 79.8 | 80.6 | 81.5 | 81.4 | 82.9 | 84.3 | 85.1 | 82.2 | 78.2 | 76.8 | 75.6 | | | | 141.9 |
| FREQ. SHIFT | | 3150 | 67.9 | 74.5 | 76.3 | 76.9 | 77.9 | 78.9 | 79.5 | 80.3 | 81.8 | 82.1 | 77.8 | 75.2 | 75.5 | 74.3 | | | | 139.7 |
| JET 9 | | 4000 | 63.3 | 69.8 | 71.9 | 73.3 | 73.1 | 75.7 | 76.3 | 77.5 | 76.9 | 78.1 | 75.0 | 72.1 | 74.4 | 71.5 | | | | 136.7 |
| DIAMETER RATIO | | 5000 | 61.1 | 66.8 | 69.3 | 70.8 | 70.1 | 71.4 | 71.9 | 73.3 | 73.4 | 75.2 | 70.7 | 69.1 | 74.5 | 72.5 | | | | 133.9 |
| DF/DH 8.00 | | 6300 | 59.4 | 63.4 | 67.1 | 68.2 | 68.4 | 68.4 | 69.7 | 70.4 | 69.9 | 74.0 | 67.8 | 69.2 | 77.3 | 74.4 | | | | 133.9 |
| OVERALL CALCULATED | | 8000 | 59.7 | 60.6 | 66.5 | 68.0 | 69.3 | 68.3 | 69.8 | 70.4 | 67.6 | 75.5 | 67.8 | 71.5 | 79.7 | 77.0 | | | | 136.9 |
| PNDB | | 10000 | 60.9 | 59.0 | 66.8 | 68.6 | 70.9 | 70.2 | 71.8 | 71.7 | 67.6 | 77.4 | 69.4 | 73.2 | 81.9 | 79.4 | | | | 141.4 |
| | | | 92.3 | 94.1 | 95.8 | 95.8 | 96.6 | 97.6 | 98.1 | 99.8 | 101.0 | 103.3 | 104.0 | 106.2 | 106.7 | 105.7 | | | | 160.8 |
| | | | 98.5 | 102.6 | 104.4 | 105.3 | 106.1 | 107.2 | 107.1 | 108.7 | 109.6 | 111.8 | 110.6 | 109.3 | 108.8 | 107.5 | | | | |

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM. DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 57.3 | 56.4 | 64.8 | 62.7 | 64.9 | 65.7 | 67.9 | 70.8 | 71.8 | 73.9 | 72.5 | 76.4 | 77.6 | 72.8 | | | |
| SIDELINE 2400. FT. | 63 | 56.9 | 59.4 | 63.2 | 62.3 | 64.2 | 66.0 | 68.0 | 68.6 | 69.2 | 70.2 | 71.4 | 76.2 | 75.9 | 69.4 | | | |
| (731.52 M) | 80 | 59.3 | 62.7 | 66.6 | 65.4 | 67.9 | 68.9 | 69.4 | 70.0 | 71.4 | 71.4 | 73.6 | 76.8 | 75.6 | 72.7 | | | |
| NFA | 100 | 56.3 | 60.8 | 62.2 | 64.2 | 64.9 | 65.6 | 67.4 | 70.2 | 71.2 | 73.2 | 74.2 | 74.9 | 72.3 | 70.4 | | | |
| (0. RAD/SEC) | 125 | 59.0 | 61.7 | 65.2 | 65.2 | 65.1 | 67.9 | 69.3 | 70.3 | 71.2 | 73.2 | 73.4 | 75.2 | 70.5 | 64.9 | | | |
| NFK | 160 | 57.2 | 60.1 | 63.1 | 63.0 | 64.7 | 67.1 | 68.9 | 69.8 | 70.1 | 72.1 | 73.6 | 73.6 | 68.6 | 61.1 | | | |
| (0. RAD/SEC) | 200 | 55.5 | 60.7 | 62.5 | 64.3 | 65.4 | 67.3 | 67.9 | 69.5 | 69.6 | 71.0 | 72.7 | 71.4 | 65.8 | 57.7 | | | |
| NFD | 250 | 56.5 | 58.8 | 60.7 | 64.3 | 65.9 | 66.7 | 67.0 | 68.4 | 68.9 | 69.8 | 70.8 | 69.4 | 63.2 | 55.8 | | | |
| (0. RAD/SEC) | 315 | 53.8 | 58.4 | 60.9 | 62.1 | 63.8 | 64.8 | 65.3 | 67.1 | 67.5 | 68.7 | 68.7 | 67.1 | 59.4 | 52.4 | | | |
| AIRFLOW RATIO | 400 | 52.0 | 57.6 | 59.6 | 62.3 | 63.0 | 64.5 | 65.1 | 66.5 | 66.8 | 68.5 | 67.0 | 64.6 | 57.7 | 50.5 | | | |
| WF/WM 8.00 | 500 | 50.2 | 55.7 | 58.7 | 61.1 | 62.3 | 64.2 | 64.4 | 66.1 | 66.9 | 68.7 | 66.4 | 61.8 | 55.3 | 48.1 | | | |
| | 630 | 49.9 | 55.9 | 59.5 | 61.2 | 62.3 | 64.1 | 65.2 | 67.3 | 68.0 | 69.8 | 66.6 | 61.5 | 54.4 | 47.2 | | | |
| | 800 | 48.6 | 55.6 | 59.0 | 62.1 | 63.8 | 65.2 | 65.6 | 67.1 | 68.3 | 70.4 | 67.1 | 61.2 | 54.4 | 46.1 | | | |
| VEHICLE JENOTS | 1000 | 47.1 | 55.9 | 60.3 | 62.2 | 64.4 | 66.1 | 66.2 | 68.2 | 68.2 | 69.8 | 67.0 | 59.9 | 53.3 | 44.5 | | | |
| CONFIG JE-063 | 1250 | 45.7 | 54.0 | 59.2 | 62.0 | 64.3 | 65.8 | 64.9 | 66.7 | 67.7 | 68.4 | 65.9 | 58.3 | 51.6 | 42.3 | | | |
| LOC EVENDALE | 1600 | 41.2 | 51.0 | 55.8 | 59.7 | 61.6 | 63.3 | 62.8 | 63.9 | 64.4 | 65.5 | 62.0 | 54.8 | 47.7 | 37.5 | | | |
| DATE 05-09-75 | 2000 | 35.7 | 47.7 | 52.5 | 56.0 | 58.5 | 60.6 | 59.7 | 61.2 | 61.4 | 62.0 | 57.2 | 49.9 | 42.2 | 31.3 | | | |
| RUN DBTF-MODEL 9 | 2500 | 28.7 | 41.9 | 47.8 | 51.3 | 53.7 | 55.5 | 55.6 | 56.9 | 57.4 | 56.6 | 51.2 | 43.3 | 35.5 | 22.1 | | | |
| TAPE X90110 | 3150 | 19.9 | 34.5 | 41.0 | 44.7 | 47.6 | 49.7 | 50.6 | 51.1 | 51.5 | 49.9 | 42.6 | 35.2 | 27.5 | 10.8 | | | |
| FAN TIP SPEED | 4000 | 5.1 | 22.1 | 30.3 | 35.6 | 37.8 | 41.7 | 42.7 | 43.5 | 41.6 | 40.4 | 33.4 | 24.4 | 16.2 | | | | |
| FT/SEC | 5000 | | 14.6 | 24.0 | 29.9 | 31.9 | 34.7 | 35.6 | 36.5 | 35.2 | 34.3 | 25.4 | 16.9 | 10.5 | | | | |
| | 6300 | | | 11.1 | 17.9 | 21.6 | 23.5 | 25.4 | 25.5 | 23.1 | 23.7 | 11.7 | 3.9 | | | | | |
| | 8000 | | | | 3.3 | 9.3 | 11.0 | 13.3 | 13.0 | 7.6 | 10.7 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 67.2 | 70.8 | 74.3 | 75.1 | 76.7 | 78.2 | 79.1 | 80.6 | 81.4 | 82.9 | 82.9 | 84.1 | 82.5 | 78.0 | | | |
| PND8 | | 67.4 | 73.4 | 77.5 | 80.3 | 82.1 | 83.8 | 84.0 | 85.5 | 86.0 | 87.1 | 85.4 | 83.3 | 78.3 | 72.5 | | | |

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FULL SIZE: SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (J.) | (0.) | (0.) | |
| NO EGA | 50 | 83.4 | 81.0 | 87.6 | 84.4 | 86.2 | 86.2 | 88.1 | 90.6 | 92.1 | 95.6 | 94.5 | 101.0 | 105.5 | 103.1 | | | 155.2 |
| RDG. NO. 01 | 63 | 83.6 | 83.6 | 85.6 | 84.0 | 85.5 | 86.1 | 89.0 | 89.7 | 91.4 | 92.9 | 95.2 | 100.9 | 102.3 | 100.1 | | | 153.5 |
| RADIAL 320. FT. | 80 | 84.1 | 85.7 | 86.7 | 84.7 | 86.7 | 86.0 | 88.4 | 90.4 | 91.9 | 93.7 | 97.0 | 100.6 | 102.4 | 102.3 | | | 154.1 |
| (98. M) | 100 | 83.7 | 85.9 | 85.9 | 86.3 | 87.0 | 87.0 | 88.4 | 91.1 | 92.5 | 95.8 | 97.5 | 99.3 | 98.2 | 99.2 | | | 152.9 |
| VEHICLE JENOTS | 125 | 85.8 | 84.6 | 87.0 | 86.2 | 87.5 | 88.7 | 89.9 | 91.1 | 92.9 | 95.8 | 97.0 | 99.2 | 96.1 | 93.7 | | | 152.3 |
| CONFIG JE-063 | 160 | 84.7 | 85.4 | 87.6 | 87.8 | 88.0 | 88.9 | 90.4 | 91.4 | 91.9 | 95.1 | 97.1 | 97.7 | 94.4 | 90.9 | | | 151.7 |
| LOC EVENDALE | 200 | 84.1 | 86.7 | 87.2 | 87.5 | 88.3 | 90.0 | 90.3 | 91.7 | 91.8 | 94.8 | 96.1 | 95.7 | 92.9 | 89.0 | | | 151.1 |
| DATE 05-09-75 | 250 | 85.8 | 86.1 | 86.5 | 86.7 | 89.5 | 89.9 | 90.0 | 91.6 | 92.2 | 94.1 | 95.7 | 95.0 | 92.4 | 88.5 | | | 150.9 |
| RUN DBTF-MODEL 9 | 315 | 84.8 | 87.6 | 87.3 | 87.2 | 87.9 | 89.9 | 90.2 | 91.4 | 92.3 | 93.8 | 93.5 | 93.7 | 90.7 | 87.5 | | | 150.2 |
| TAPE X90130 | 400 | 83.8 | 86.4 | 87.6 | 87.7 | 88.9 | 89.4 | 90.1 | 91.2 | 92.1 | 94.1 | 93.2 | 92.9 | 90.1 | 87.2 | | | 150.0 |
| BAR 29.4 HG | 500 | 82.5 | 86.0 | 87.0 | 87.9 | 88.4 | 89.9 | 90.4 | 92.0 | 93.9 | 95.0 | 93.3 | 91.6 | 89.1 | 86.8 | | | 150.5 |
| (99347, N/M2) | 630 | 83.3 | 86.6 | 87.2 | 88.1 | 89.6 | 91.1 | 91.8 | 94.1 | 96.4 | 97.8 | 92.8 | 91.4 | 89.1 | 86.1 | | | 152.1 |
| TAND 74, DEG F | 800 | 83.6 | 87.2 | 89.1 | 90.2 | 92.0 | 93.6 | 93.8 | 96.2 | 98.2 | 100.0 | 94.0 | 91.5 | 89.5 | 86.0 | | | 154.1 |
| (296, DEG K) | 1000 | 84.5 | 88.5 | 90.0 | 92.0 | 93.5 | 95.6 | 95.2 | 98.4 | 100.0 | 101.9 | 96.2 | 92.5 | 89.9 | 87.1 | | | 156.0 |
| THET 58, DEG F | 1250 | 85.7 | 90.2 | 91.7 | 93.2 | 94.4 | 96.4 | 96.7 | 99.3 | 101.1 | 103.6 | 98.1 | 93.7 | 91.2 | 88.5 | | | 157.5 |
| (288, DEG K) | 1600 | 86.0 | 90.3 | 92.1 | 93.3 | 95.0 | 96.5 | 97.5 | 99.9 | 101.6 | 103.9 | 99.3 | 95.0 | 92.5 | 89.1 | | | 150.2 |
| HACT 0: GM/M3 | 2000 | 84.8 | 89.6 | 90.9 | 92.4 | 94.6 | 95.9 | 97.2 | 99.0 | 100.8 | 102.4 | 99.1 | 95.4 | 92.4 | 88.2 | | | 157.5 |
| (KG/M3) | 2500 | 81.8 | 86.6 | 88.0 | 90.1 | 91.1 | 92.5 | 93.7 | 95.7 | 97.1 | 98.6 | 95.7 | 91.7 | 89.0 | 85.6 | | | 154.3 |
| FREQ. SHIFT | 3150 | 77.8 | 83.8 | 86.0 | 87.6 | 87.9 | 89.6 | 90.5 | 92.5 | 93.8 | 95.1 | 90.0 | 86.5 | 84.5 | 81.3 | | | 151.3 |
| JET 9 | 4000 | 74.5 | 80.1 | 82.1 | 83.8 | 84.1 | 86.9 | 88.0 | 89.5 | 89.9 | 92.1 | 87.2 | 82.8 | 80.9 | 77.0 | | | 148.8 |
| DIAMETER RATIO | 5000 | 71.8 | 77.3 | 79.3 | 80.8 | 81.6 | 82.9 | 83.9 | 85.8 | 86.7 | 88.5 | 82.7 | 79.8 | 78.5 | 75.0 | | | 145.7 |
| DF/DM 8.00 | 6300 | 67.9 | 73.4 | 75.4 | 77.4 | 77.4 | 78.4 | 80.2 | 82.6 | 82.9 | 86.3 | 79.5 | 79.0 | 78.8 | 75.7 | | | 143.8 |
| OVERALL CALCULATED | 8000 | 64.2 | 70.6 | 71.5 | 73.5 | 74.1 | 74.6 | 76.5 | 81.6 | 80.3 | 86.0 | 78.3 | 80.5 | 80.4 | 77.7 | | | 144.5 |
| PND8 | 10000 | 62.4 | 68.5 | 68.8 | 70.9 | 72.1 | 72.7 | 73.8 | 82.0 | 78.9 | 87.4 | 79.4 | 82.4 | 81.9 | 79.6 | | | 147.8 |
| | | 97.0 | 99.8 | 101.3 | 102.2 | 103.5 | 105.0 | 105.7 | 107.9 | 109.5 | 111.6 | 108.9 | 109.5 | 109.9 | 108.2 | | | 167.1 |
| | | 106.8 | 110.8 | 112.3 | 113.5 | 115.0 | 116.5 | 117.4 | 119.4 | 120.8 | 122.9 | 119.6 | 117.4 | 115.3 | 112.1 | | | |

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 59.6 | 59.4 | 67.5 | 65.5 | 67.9 | 68.4 | 70.4 | 72.8 | 73.8 | 76.6 | 74.5 | 79.4 | 81.6 | 75.8 | | | |
| SIDELINE 2400. FT. | 63 | 59.6 | 61.9 | 65.5 | 65.0 | 67.2 | 68.3 | 71.3 | 71.9 | 73.2 | 74.0 | 75.1 | 79.2 | 78.4 | 72.6 | | | |
| (731.52 M) | 80 | 60.0 | 64.0 | 66.6 | 65.7 | 68.4 | 68.1 | 70.6 | 72.5 | 73.6 | 74.7 | 76.8 | 79.1 | 78.4 | 74.7 | | | |
| NFA 0. RPM | 100 | 59.5 | 64.1 | 65.7 | 67.2 | 68.6 | 69.1 | 70.6 | 73.2 | 74.2 | 76.7 | 77.2 | 77.4 | 74.0 | 71.4 | | | |
| (0. RAD/SEC) | 125 | 61.5 | 62.7 | 66.7 | 67.0 | 69.1 | 70.7 | 72.0 | 73.1 | 74.4 | 76.7 | 76.6 | 77.2 | 71.8 | 65.7 | | | |
| NFK 0. RPM | 160 | 60.2 | 63.3 | 67.1 | 68.5 | 69.4 | 70.8 | 72.4 | 73.3 | 73.4 | 75.8 | 76.6 | 75.6 | 69.9 | 62.6 | | | |
| (0. RAD/SEC) | 200 | 59.2 | 64.4 | 66.5 | 68.0 | 69.6 | 71.8 | 72.2 | 73.5 | 73.1 | 75.3 | 75.5 | 73.4 | 68.1 | 60.2 | | | |
| NFD 0. RPM | 250 | 60.7 | 63.5 | 65.7 | 69.0 | 70.6 | 71.5 | 71.8 | 73.2 | 73.4 | 74.5 | 74.8 | 72.4 | 67.2 | 59.3 | | | |
| (0. RAD/SEC) | 315 | 59.3 | 64.7 | 66.2 | 67.4 | 68.8 | 71.3 | 71.8 | 72.8 | 73.2 | 74.0 | 72.4 | 70.8 | 65.1 | 57.6 | | | |
| AIRFLOW RATIO | 400 | 57.7 | 63.1 | 66.1 | 67.6 | 69.5 | 70.5 | 71.4 | 72.5 | 72.8 | 74.0 | 71.8 | 69.6 | 64.0 | 56.5 | | | |
| WF/WM 8.00 | 500 | 55.7 | 62.2 | 65.2 | 67.3 | 68.8 | 70.7 | 71.4 | 72.8 | 74.2 | 74.4 | 71.4 | 67.8 | 62.3 | 55.1 | | | |
| | 630 | 55.7 | 62.1 | 64.8 | 67.2 | 69.5 | 71.6 | 72.4 | 74.5 | 76.3 | 76.8 | 70.4 | 67.0 | 61.4 | 53.2 | | | |
| VEHICLE JENOTS | 800 | 54.9 | 61.9 | 66.0 | 68.6 | 71.3 | 73.5 | 73.8 | 76.1 | 77.5 | 78.4 | 70.9 | 66.0 | 60.7 | 51.3 | | | |
| CONFIG JE-063 | 1000 | 54.4 | 62.2 | 66.1 | 69.7 | 72.2 | 74.8 | 74.7 | 77.7 | 78.7 | 79.5 | 72.2 | 66.1 | 59.8 | 50.5 | | | |
| LOC EVENDALE | 1250 | 53.9 | 62.5 | 66.7 | 70.0 | 72.3 | 74.8 | 75.4 | 77.7 | 78.9 | 80.4 | 73.1 | 66.1 | 59.4 | 49.3 | | | |
| DATE 05-09-75 | 1600 | 51.7 | 60.8 | 65.6 | 68.7 | 71.6 | 73.8 | 75.0 | 77.2 | 78.2 | 79.3 | 72.8 | 65.5 | 58.2 | 46.3 | | | |
| RUN DBTF-MODEL 9 | 2000 | 47.7 | 57.9 | 62.5 | 66.2 | 69.8 | 71.8 | 73.4 | 74.9 | 75.9 | 76.2 | 70.7 | 63.7 | 55.2 | 41.1 | | | |
| TAPE X90130 | 2500 | 40.5 | 51.7 | 57.0 | 61.6 | 64.2 | 66.5 | 67.9 | 69.7 | 70.1 | 70.1 | 64.7 | 56.8 | 47.7 | 32.1 | | | |
| FAN TIP SPEED | 3150 | 29.8 | 43.7 | 50.8 | 55.5 | 57.6 | 60.4 | 61.6 | 63.3 | 63.5 | 62.9 | 54.8 | 46.4 | 36.5 | 17.8 | | | |
| FT/SEC | 4000 | 16.4 | 32.4 | 40.6 | 46.1 | 48.8 | 53.0 | 54.4 | 55.5 | 54.6 | 54.4 | 45.7 | 35.1 | 22.7 | | | | |
| | 5000 | 7.8 | 25.1 | 34.0 | 39.9 | 43.4 | 46.2 | 47.6 | 49.0 | 48.4 | 47.6 | 37.4 | 27.6 | 14.5 | | | | |
| | 6300 | | 8.1 | 19.4 | 27.1 | 30.6 | 33.5 | 35.9 | 37.7 | 36.1 | 36.0 | 23.5 | 13.7 | | | | | |
| | 8000 | | | | 8.8 | 14.1 | 17.2 | 20.0 | 24.3 | 20.4 | 21.2 | 5.7 | | | | | | |
| | 10000 | | | | | | | 0.2 | 7.2 | 0.6 | 2.5 | | | | | | | |
| OVERALL CALCULATED | | 70.6 | 75.0 | 78.4 | 80.2 | 82.3 | 84.1 | 85.1 | 87.0 | 87.9 | 89.2 | 86.6 | 86.9 | 85.5 | 80.4 | | | |
| PND8 | | 73.2 | 80.7 | 85.0 | 87.8 | 90.5 | 92.5 | 93.8 | 95.6 | 96.4 | 97.4 | 92.5 | 88.1 | 83.1 | 75.9 | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, 40M, DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PAL |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 86.4 | 84.2 | 89.8 | 87.4 | 88.9 | 89.2 | 91.1 | 93.6 | 95.3 | 99.1 | 98.8 | 104.8 | 109.5 | 105.6 | | | 158.8 |
| RDG. NO. 01 | 63 | 86.6 | 87.3 | 89.1 | 88.3 | 89.0 | 90.1 | 93.0 | 93.7 | 95.2 | 97.2 | 99.0 | 104.4 | 104.8 | 103.6 | | | 156.8 |
| RADIAL 320. FT. | 80 | 86.8 | 88.2 | 89.5 | 88.5 | 89.3 | 89.5 | 92.1 | 94.1 | 96.4 | 98.0 | 101.5 | 104.3 | 105.4 | 104.8 | | | 157.6 |
| (98. M) | 100 | 87.5 | 89.4 | 89.4 | 90.0 | 91.0 | 91.0 | 92.7 | 95.9 | 97.0 | 100.3 | 102.2 | 103.0 | 102.5 | 101.5 | | | 157.0 |
| VEHICLE JENOTS | 125 | 88.8 | 88.1 | 90.3 | 89.7 | 90.5 | 92.2 | 93.2 | 95.3 | 97.1 | 100.6 | 102.0 | 102.9 | 100.1 | 97.2 | | | 156.5 |
| CONFIG JE-063 | 160 | 88.2 | 89.7 | 90.9 | 90.8 | 91.0 | 91.9 | 94.2 | 95.7 | 97.2 | 100.1 | 102.6 | 102.0 | 98.4 | 95.2 | | | 156.3 |
| LOG EVENDALE | 200 | 88.1 | 90.7 | 90.7 | 91.0 | 91.3 | 93.2 | 94.5 | 96.2 | 97.1 | 99.8 | 101.1 | 100.7 | 97.4 | 93.5 | | | 155.7 |
| DATE 05-09-75 | 250 | 89.1 | 89.8 | 89.3 | 92.2 | 92.7 | 93.6 | 94.8 | 96.6 | 97.7 | 99.6 | 100.7 | 100.3 | 97.9 | 94.3 | | | 155.8 |
| RUN DBTF-MODEL 9 | 315 | 88.3 | 90.6 | 91.0 | 91.0 | 91.6 | 93.4 | 94.5 | 96.7 | 98.8 | 99.8 | 99.8 | 99.9 | 97.4 | 94.0 | | | 155.7 |
| TAPP X90150 | 400 | 88.6 | 91.2 | 91.3 | 92.2 | 93.1 | 94.1 | 94.8 | 96.9 | 98.8 | 100.4 | 99.9 | 100.1 | 98.1 | 95.4 | | | 156.2 |
| BAR 29.4 HG | 500 | 87.7 | 90.5 | 91.3 | 92.4 | 93.2 | 94.1 | 95.4 | 97.3 | 99.9 | 100.2 | 99.6 | 100.3 | 97.9 | 95.1 | | | 156.4 |
| (99347, N/M2) | 630 | 87.8 | 91.1 | 91.9 | 93.1 | 93.6 | 95.1 | 96.1 | 99.6 | 101.6 | 100.5 | 99.3 | 100.2 | 97.8 | 94.6 | | | 157.2 |
| TAMR 74. DEG F | 800 | 88.4 | 91.9 | 93.6 | 95.0 | 95.8 | 97.1 | 97.5 | 100.7 | 102.9 | 101.3 | 99.2 | 98.8 | 97.7 | 94.0 | | | 158.1 |
| (296. DEG K) | 1000 | 89.7 | 93.0 | 95.0 | 96.0 | 97.5 | 99.1 | 100.8 | 102.9 | 104.5 | 102.2 | 99.2 | 98.0 | 96.9 | 94.1 | | | 159.6 |
| TWET 58. DEG F | 1250 | 91.2 | 94.7 | 96.2 | 98.5 | 99.7 | 100.9 | 102.2 | 105.5 | 106.9 | 104.1 | 100.1 | 98.2 | 96.9 | 93.8 | | | 161.7 |
| (288. DEG K) | 1600 | 91.5 | 95.3 | 97.1 | 99.1 | 100.2 | 102.0 | 103.5 | 106.1 | 107.6 | 104.9 | 101.3 | 99.0 | 96.2 | 93.6 | | | 162.7 |
| HACT 0. GH/M3 | 2000 | 90.6 | 94.1 | 95.9 | 98.2 | 98.6 | 101.1 | 102.7 | 104.5 | 105.3 | 104.2 | 101.3 | 98.4 | 96.1 | 92.5 | | | 161.6 |
| # (1. KG/M3) | 2500 | 88.3 | 92.1 | 94.0 | 96.1 | 96.8 | 97.8 | 98.9 | 100.9 | 101.8 | 100.3 | 98.0 | 95.7 | 93.0 | 89.3 | | | 158.6 |
| FREQ. SHIFT | 3150 | 84.6 | 89.0 | 91.5 | 93.4 | 93.9 | 95.4 | 96.5 | 98.5 | 99.5 | 97.1 | 93.0 | 91.2 | 89.0 | 85.0 | | | 156.3 |
| JFT 9 | 4000 | 80.0 | 85.1 | 87.1 | 89.1 | 89.9 | 92.2 | 93.5 | 95.0 | 95.6 | 94.1 | 90.2 | 87.8 | 85.6 | 80.0 | | | 153.5 |
| DIAMETER RATIO | 5000 | 77.1 | 81.5 | 83.8 | 85.8 | 86.4 | 87.4 | 89.1 | 90.8 | 93.2 | 90.2 | 85.7 | 83.3 | 82.0 | 78.0 | | | 150.2 |
| DF/DH 8.00 | 6300 | 72.9 | 76.6 | 79.1 | 81.4 | 82.4 | 83.9 | 85.7 | 88.1 | 89.4 | 88.0 | 82.0 | 81.7 | 80.1 | 76.4 | | | 148.2 |
| OVERALL CALCULATED | 8000 | 70.9 | 72.9 | 75.0 | 77.5 | 81.1 | 81.1 | 82.8 | 85.4 | 86.6 | 86.7 | 79.8 | 81.5 | 81.4 | 77.7 | | | 147.8 |
| PND8 | 10000 | 70.7 | 69.3 | 70.8 | 73.1 | 81.1 | 80.7 | 83.0 | 83.7 | 83.4 | 88.1 | 79.9 | 82.9 | 82.4 | 79.1 | | | 150.0 |
| | | 101.5 | 104.2 | 105.7 | 107.1 | 108.0 | 109.5 | 110.8 | 113.3 | 114.7 | 113.9 | 113.1 | 113.9 | 114.0 | 111.5 | | | 171.4 |
| | | 112.1 | 115.3 | 116.9 | 118.7 | 119.5 | 121.2 | 122.7 | 124.7 | 126.0 | 125.1 | 122.8 | 121.6 | 119.8 | 116.5 | | | |

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ORIGINAL PAGE IS
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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DLG, F, 70 PERCENT REL. HUM, DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| SPL INPUT AT STD | FREQ, | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 0 | 0 | 0 |
| REV, ALPHA 12/73 | | 62.6 | 62.6 | 69.8 | 68.5 | 70.7 | 71.4 | 73.4 | 75.8 | 77.1 | 80.1 | 78.7 | 83.2 | 85.6 | 78.3 | | | |
| NO EGA | 63 | 62.6 | 65.7 | 69.0 | 69.3 | 70.7 | 72.3 | 75.3 | 75.9 | 76.9 | 78.2 | 78.9 | 82.7 | 80.9 | 76.1 | | | |
| SIDELINE 2400, FT; | 80 | 62.8 | 66.5 | 69.3 | 69.4 | 71.2 | 71.6 | 74.4 | 76.2 | 78.1 | 78.9 | 81.3 | 82.6 | 81.4 | 77.2 | | | |
| (731.52 M) | 100 | 63.3 | 67.6 | 69.2 | 70.9 | 72.6 | 73.1 | 74.9 | 77.9 | 78.7 | 81.2 | 82.0 | 81.2 | 78.3 | 73.7 | | | |
| NFA | 125 | 64.5 | 66.2 | 69.9 | 70.5 | 72.1 | 74.2 | 75.3 | 77.3 | 78.7 | 81.4 | 81.6 | 81.0 | 75.8 | 69.2 | | | |
| (0. RAD/SEC) | 160 | 63.7 | 67.6 | 70.4 | 71.5 | 72.4 | 73.8 | 76.2 | 77.6 | 78.6 | 80.8 | 82.1 | 79.9 | 73.9 | 66.8 | | | |
| NFK | 200 | 63.2 | 68.4 | 70.0 | 71.5 | 72.6 | 75.0 | 76.4 | 78.0 | 78.4 | 80.3 | 80.5 | 78.4 | 72.6 | 64.7 | | | |
| (0. RAD/SEC) | 250 | 64.0 | 67.3 | 68.5 | 72.5 | 73.9 | 75.2 | 76.5 | 78.2 | 78.9 | 80.0 | 79.8 | 77.7 | 72.7 | 65.1 | | | |
| NFD | 315 | 62.8 | 67.7 | 69.9 | 71.1 | 72.6 | 74.8 | 76.0 | 78.1 | 79.7 | 80.0 | 78.7 | 77.1 | 71.9 | 64.1 | | | |
| (0. RAD/SEC) | 400 | 62.5 | 67.9 | 69.9 | 72.1 | 73.8 | 75.3 | 76.1 | 78.1 | 79.5 | 80.2 | 78.5 | 76.8 | 72.0 | 64.7 | | | |
| AIRFLOW RATIO | 500 | 61.0 | 66.7 | 69.4 | 71.8 | 73.5 | 75.0 | 76.4 | 78.1 | 80.2 | 79.7 | 77.8 | 76.5 | 71.1 | 63.4 | | | |
| WF/WH 8.00 | 630 | 60.2 | 66.6 | 69.5 | 72.2 | 73.5 | 75.6 | 76.7 | 80.0 | 81.5 | 79.6 | 76.9 | 75.7 | 70.2 | 61.7 | | | |
| | 800 | 59.6 | 66.6 | 70.5 | 73.4 | 75.1 | 77.0 | 77.6 | 80.6 | 82.3 | 79.7 | 76.1 | 73.5 | 68.9 | 59.3 | | | |
| VEHICLE | 1000 | 59.6 | 66.7 | 71.1 | 73.7 | 76.2 | 78.3 | 79.4 | 82.2 | 83.2 | 79.8 | 75.2 | 71.6 | 66.8 | 57.5 | | | |
| CONFIG | 1250 | 59.4 | 67.0 | 71.2 | 75.2 | 77.5 | 79.3 | 80.9 | 84.0 | 84.7 | 80.9 | 75.1 | 70.6 | 65.1 | 54.6 | | | |
| LOC | 1600 | 57.2 | 65.8 | 70.6 | 74.5 | 76.8 | 79.3 | 81.0 | 83.4 | 84.2 | 80.3 | 74.8 | 69.5 | 62.0 | 50.8 | | | |
| DATE 05-09-75 | 2000 | 53.5 | 62.4 | 67.5 | 72.0 | 73.8 | 77.1 | 78.9 | 80.4 | 80.4 | 78.0 | 73.0 | 66.7 | 59.0 | 45.3 | | | |
| RUN DBTF-MODEL 9 | 2500 | 47.0 | 57.2 | 63.0 | 67.6 | 69.9 | 71.8 | 73.1 | 74.9 | 74.9 | 71.8 | 67.0 | 60.8 | 51.7 | 35.9 | | | |
| TAPE | 3150 | 36.5 | 49.0 | 56.3 | 61.2 | 63.6 | 66.2 | 67.6 | 69.3 | 69.3 | 64.9 | 57.8 | 51.2 | 41.0 | 21.5 | | | |
| FAN TIP SPEED | 4000 | 21.9 | 37.4 | 45.6 | 51.4 | 54.6 | 58.2 | 59.9 | 61.0 | 60.3 | 56.4 | 48.7 | 40.1 | 27.5 | 1.5 | | | |
| | 5000 | 13.1 | 29.3 | 38.5 | 44.9 | 48.2 | 50.7 | 52.8 | 54.0 | 54.9 | 49.3 | 40.4 | 31.1 | 18.0 | | | | |
| | 6300 | | 11.4 | 23.1 | 31.1 | 35.6 | 39.0 | 41.4 | 43.2 | 42.6 | 37.7 | 26.0 | 16.4 | | | | | |
| | 8000 | | | 2.5 | 12.8 | 21.1 | 23.7 | 26.3 | 28.0 | 26.6 | 22.0 | 7.2 | | | | | | |
| | 10000 | | | | 2.8 | 6.0 | 9.4 | 9.0 | 5.1 | 3.3 | | | | | | | | |
| OVERALL CALCULATED | | 74.3 | 79.0 | 82.2 | 84.5 | 86.4 | 88.3 | 89.8 | 92.1 | 93.1 | 92.4 | 91.4 | 91.1 | 89.4 | 83.3 | | | |
| PND8 | | 78.1 | 85.3 | 89.6 | 93.0 | 95.1 | 97.4 | 99.0 | 101.2 | 102.1 | 99.8 | 96.3 | 93.5 | 88.4 | 80.5 | | | |

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| | | ANGLES FROM INLET IN DEGREES (AND RADIAN'S) | | | | | | | | | | | | | | | | | FWL | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-----|-------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | | 50 | 83.7 | 81.5 | 86.6 | 84.4 | 85.7 | 86.5 | 88.3 | 91.1 | 93.1 | 96.8 | 97.3 | 103.3 | 107.5 | 104.1 | | | | 157.0 | |
| RDG. NO. 01 | | 63 | 84.3 | 84.6 | 85.3 | 83.8 | 84.7 | 86.1 | 88.7 | 90.2 | 91.7 | 93.4 | 96.2 | 102.6 | 104.6 | 111.6 | | | | 155.0 | |
| RADIAL 320. FT. | | 80 | 85.3 | 86.5 | 87.7 | 86.0 | 87.5 | 87.3 | 89.1 | 91.1 | 93.2 | 95.0 | 99.2 | 104.3 | 105.9 | 104.8 | | | | 156.9 | |
| (98. M) | | 100 | 83.7 | 85.7 | 85.4 | 85.8 | 86.5 | 86.8 | 88.2 | 91.4 | 92.8 | 96.3 | 99.0 | 102.0 | 101.0 | 103.2 | | | | 154.8 | |
| VEHICLE JENOTS | | 125 | 86.6 | 86.1 | 87.3 | 86.2 | 86.5 | 88.7 | 89.7 | 91.3 | 93.6 | 96.3 | 99.2 | 102.2 | 99.6 | 96.9 | | | | 154.2 | |
| CONFIG JE-063 | | 160 | 84.2 | 85.4 | 85.6 | 85.5 | 86.7 | 88.4 | 90.2 | 91.7 | 92.7 | 95.9 | 99.3 | 100.2 | 96.4 | 93.9 | | | | 153.1 | |
| LOC EVENDALE | | 200 | 82.8 | 85.5 | 85.2 | 86.0 | 87.3 | 88.5 | 89.3 | 90.7 | 92.3 | 95.0 | 97.8 | 97.2 | 94.4 | 91.5 | | | | 151.6 | |
| DATE 05-09-75 | | 250 | 84.1 | 83.8 | 83.8 | 86.7 | 87.0 | 87.9 | 88.8 | 90.3 | 91.7 | 93.6 | 96.2 | 95.8 | 92.1 | 90.0 | | | | 150.4 | |
| RUN DBTF-MODEL 9 | | 315 | 82.8 | 84.1 | 85.0 | 84.7 | 85.6 | 86.9 | 87.5 | 89.4 | 91.6 | 92.8 | 93.8 | 93.4 | 89.7 | 87.8 | | | | 149.0 | |
| TAPT X90210 | | 400 | 81.3 | 83.4 | 84.3 | 85.2 | 85.4 | 86.9 | 86.8 | 88.9 | 90.3 | 92.1 | 92.2 | 91.1 | 87.6 | 86.2 | | | | 147.9 | |
| BAR 29.4 HG | | 500 | 79.5 | 81.7 | 82.8 | 83.9 | 84.9 | 86.4 | 87.2 | 88.8 | 91.3 | 91.7 | 91.3 | 88.1 | 84.9 | 82.8 | | | | 147.4 | |
| (99313. N/H2) | | 630 | 79.8 | 82.6 | 83.9 | 84.4 | 85.1 | 86.6 | 87.8 | 90.1 | 91.9 | 93.5 | 90.8 | 88.2 | 84.1 | 82.1 | | | | 148.1 | |
| TAHR 75, DEG F | | 800 | 80.1 | 83.2 | 84.6 | 85.5 | 87.0 | 87.8 | 89.0 | 91.2 | 92.7 | 95.5 | 92.0 | 88.1 | 85.2 | 82.0 | | | | 149.5 | |
| (297. DEG K) | | 1000 | 80.5 | 84.3 | 85.3 | 86.3 | 88.0 | 89.3 | 89.5 | 92.4 | 93.3 | 96.7 | 93.2 | 88.7 | 85.9 | 82.9 | | | | 150.6 | |
| TWET 60, DEG F | | 1250 | 79.7 | 83.9 | 85.7 | 86.7 | 88.2 | 89.4 | 89.5 | 92.3 | 94.4 | 96.9 | 93.6 | 88.5 | 86.2 | 83.5 | | | | 151.0 | |
| (289. DEG K) | | 1600 | 78.2 | 83.3 | 85.6 | 87.3 | 88.2 | 89.0 | 89.5 | 91.6 | 92.3 | 94.9 | 92.8 | 88.0 | 85.2 | 82.9 | | | | 150.1 | |
| HACT 0. GM/H3 | | 2000 | 76.3 | 81.1 | 82.9 | 84.4 | 86.6 | 86.9 | 88.0 | 89.5 | 91.5 | 92.4 | 90.3 | 85.4 | 82.6 | 80.5 | | | | 148.3 | |
| (KG/H3) | | 2500 | 73.5 | 78.8 | 80.3 | 81.8 | 82.8 | 83.8 | 85.4 | 86.9 | 88.6 | 89.6 | 86.7 | 82.5 | 79.5 | 77.3 | | | | 145.6 | |
| FREQ. SHIFT | | 3150 | 70.1 | 76.5 | 78.5 | 79.6 | 80.4 | 81.6 | 82.8 | 84.5 | 85.0 | 86.1 | 82.0 | 78.7 | 76.8 | 75.3 | | | | 143.0 | |
| JET 9 | | 4000 | 66.8 | 72.3 | 74.4 | 75.8 | 76.1 | 78.2 | 79.5 | 81.2 | 81.4 | 83.1 | 79.0 | 76.6 | 75.4 | 72.3 | | | | 140.4 | |
| DIAMETER RATIO | | 5000 | 64.3 | 69.3 | 71.8 | 73.3 | 73.6 | 74.2 | 75.9 | 77.3 | 77.9 | 80.5 | 75.9 | 75.8 | 75.5 | 72.8 | | | | 137.9 | |
| DF/DH 8.00 | | 6300 | 62.2 | 65.6 | 69.4 | 70.4 | 70.6 | 70.9 | 72.7 | 74.1 | 74.1 | 81.3 | 75.3 | 78.2 | 77.3 | 74.7 | | | | 138.2 | |
| OVERALL CALCULATED | | 8000 | 60.9 | 62.4 | 67.5 | 69.3 | 70.3 | 69.3 | 70.8 | 72.4 | 70.3 | 83.5 | 76.8 | 80.5 | 80.2 | 77.2 | | | | 141.4 | |
| PNDB | | 10000 | 60.7 | 59.3 | 66.8 | 68.6 | 71.1 | 70.2 | 72.0 | 71.7 | 68.1 | 85.9 | 78.9 | 81.9 | 81.9 | 78.9 | | | | 145.8 | |
| | | | 95.1 | 96.6 | 97.8 | 98.1 | 99.2 | 100.3 | 101.3 | 103.4 | 105.0 | 107.5 | 108.4 | 111.0 | 112.0 | 110.2 | | | | 165.1 | |
| | | | 101.4 | 104.9 | 106.7 | 107.8 | 108.9 | 109.7 | 110.8 | 112.6 | 114.1 | 116.4 | 114.9 | 113.8 | 112.8 | 111.1 | | | | | |

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ORIGINAL PAGE IS
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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DFG, F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 59.8 | 59.9 | 66.5 | 65.5 | 67.4 | 68.7 | 70.7 | 73.3 | 74.8 | 77.9 | 77.2 | 81.7 | 83.6 | 76.3 | | | |
| SIDELINE 2400, FT;
(731.52 M) | 63 | 60.4 | 62.9 | 65.2 | 64.8 | 66.5 | 68.3 | 71.0 | 72.4 | 73.4 | 74.5 | 76.1 | 81.0 | 80.6 | 74.1 | | | |
| | 80 | 61.3 | 64.7 | 67.6 | 66.9 | 69.2 | 69.4 | 71.4 | 73.2 | 74.9 | 75.9 | 79.1 | 82.6 | 81.9 | 77.2 | | | |
| | 100 | 59.5 | 63.8 | 65.2 | 66.7 | 68.1 | 68.8 | 70.4 | 73.4 | 74.4 | 77.2 | 78.7 | 80.2 | 76.8 | 75.4 | | | |
| NFA 0, RPM | 125 | 62.2 | 64.2 | 66.9 | 67.0 | 68.1 | 70.7 | 71.8 | 73.3 | 75.2 | 77.2 | 78.9 | 80.2 | 75.3 | 68.9 | | | |
| (0, RAD/SEC) | 160 | 59.7 | 63.3 | 65.1 | 66.2 | 68.2 | 70.3 | 72.2 | 73.6 | 74.1 | 76.6 | 78.9 | 78.1 | 71.9 | 65.6 | | | |
| NFK 0, RPM | 200 | 58.0 | 63.2 | 64.5 | 66.5 | 68.6 | 70.3 | 71.2 | 72.5 | 73.6 | 75.5 | 77.2 | 74.9 | 69.6 | 62.7 | | | |
| (0, RAD/SEC) | 250 | 59.0 | 61.3 | 63.0 | 67.0 | 68.1 | 69.5 | 70.5 | 71.9 | 72.9 | 74.0 | 75.3 | 73.2 | 67.0 | 60.8 | | | |
| NFD 0, RPM | 315 | 57.3 | 61.2 | 63.9 | 64.9 | 66.6 | 68.3 | 69.0 | 70.8 | 72.5 | 73.0 | 72.7 | 70.6 | 64.1 | 57.9 | | | |
| (0, RAD/SEC) | 400 | 55.2 | 60.1 | 62.9 | 65.1 | 66.0 | 68.0 | 68.1 | 70.1 | 71.0 | 72.0 | 70.8 | 67.8 | 61.5 | 55.5 | | | |
| AIRFLOW RATIO | 500 | 52.7 | 57.9 | 60.9 | 63.3 | 65.3 | 67.2 | 68.2 | 69.6 | 71.6 | 71.2 | 69.4 | 64.3 | 58.1 | 51.1 | | | |
| WF/WH 8.00 | 630 | 52.2 | 58.1 | 61.5 | 63.4 | 65.0 | 67.1 | 68.4 | 70.5 | 71.8 | 72.6 | 68.4 | 63.7 | 56.4 | 49.2 | | | |
| | 800 | 51.4 | 57.9 | 61.5 | 63.9 | 66.3 | 67.7 | 69.1 | 71.1 | 72.0 | 73.9 | 68.9 | 62.7 | 56.4 | 47.3 | | | |
| VEHICLE JENOTS | 1000 | 50.4 | 57.9 | 61.3 | 63.9 | 66.7 | 68.6 | 68.9 | 71.7 | 71.9 | 74.3 | 69.2 | 62.4 | 55.8 | 46.2 | | | |
| CONFIG JE-063 | 1250 | 47.9 | 56.3 | 60.7 | 63.5 | 66.0 | 67.8 | 68.1 | 70.7 | 72.2 | 73.6 | 68.6 | 60.8 | 54.4 | 44.3 | | | |
| LOC EVENDALE | 1600 | 44.0 | 53.8 | 59.1 | 62.7 | 64.8 | 66.3 | 67.0 | 68.9 | 68.9 | 70.3 | 66.3 | 58.5 | 51.0 | 40.0 | | | |
| DATE 05-09-75 | 2000 | 39.2 | 49.4 | 54.5 | 58.2 | 61.8 | 62.8 | 64.2 | 65.4 | 66.7 | 66.2 | 62.0 | 56.7 | 45.5 | 33.3 | | | |
| RUN DBTF-MODEL 9 | 2500 | 32.2 | 43.9 | 49.3 | 53.3 | 55.9 | 57.8 | 59.6 | 60.9 | 61.6 | 61.1 | 55.7 | 47.6 | 36.2 | 23.9 | | | |
| TAPE X90210 | 3150 | 22.0 | 36.5 | 43.3 | 47.5 | 50.1 | 52.4 | 53.9 | 55.3 | 54.8 | 53.9 | 46.8 | 38.7 | 28.7 | 11.8 | | | |
| FAN TIP SPEED | 4000 | 8.6 | 24.6 | 32.8 | 38.1 | 40.8 | 44.2 | 45.9 | 47.2 | 46.1 | 45.4 | 37.4 | 28.9 | 17.2 | | | | |
| FT/SEC | 5000 | 0.3 | 17.1 | 26.5 | 32.4 | 35.4 | 37.4 | 39.6 | 40.5 | 39.7 | 39.6 | 30.7 | 23.6 | 11.5 | | | | |
| | 6300 | | 0.4 | 13.4 | 20.1 | 23.8 | 26.0 | 28.4 | 29.2 | 27.5 | 31.0 | 19.2 | 12.9 | | | | | |
| | 8000 | | | | 4.5 | 10.3 | 12.0 | 14.3 | 15.0 | 10.4 | 18.7 | 4.2 | | | | | | |
| | 10000 | | | | | | | | | | 1.0 | | | | | | | |
| OVERALL CALCULATED | | 69.9 | 73.4 | 76.2 | 77.4 | 79.3 | 80.9 | 82.2 | 84.1 | 85.3 | 87.0 | 87.5 | 89.1 | 87.9 | 82.5 | | | |
| PND8 | | 70.4 | 76.0 | 80.0 | 82.9 | 85.0 | 86.7 | 87.8 | 89.7 | 90.4 | 91.6 | 89.8 | 88.2 | 84.0 | 77.8 | | | |

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| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, H04, DAY - JENOTS) | | | | | | | | | | | | | | | PWL | | |
|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| REV, ALPHA 12/73 | FREQ, (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, |
| NO EGA | 50 | 86.9 | 84.5 | 80.1 | 87.9 | 89.4 | 90.0 | 91.6 | 94.1 | 96.3 | 99.6 | 100.5 | 107.0 | 111.0 | 108.1 | | 160.5 |
| RDG, NO. 0 | 63 | 87.6 | 88.3 | 89.3 | 88.3 | 88.5 | 90.1 | 92.7 | 94.2 | 95.7 | 97.4 | 100.2 | 106.4 | 108.3 | 105.8 | | 158.9 |
| RADIAL 320. FT. | 80 | 88.1 | 88.5 | 89.5 | 88.0 | 89.7 | 89.5 | 92.6 | 94.6 | 97.2 | 98.5 | 102.5 | 107.1 | 108.2 | 107.1 | | 159.6 |
| (98. H) | 100 | 87.0 | 88.7 | 88.9 | 89.5 | 90.5 | 90.8 | 92.4 | 95.4 | 97.3 | 100.8 | 102.5 | 104.5 | 103.5 | 104.5 | | 157.8 |
| VEHICLE JENOTS | 125 | 87.8 | 87.1 | 89.5 | 89.2 | 90.0 | 91.4 | 93.2 | 94.8 | 96.9 | 100.6 | 102.0 | 104.4 | 101.6 | 99.4 | | 157.0 |
| CONFIO JE-063 | 160 | 87.0 | 88.7 | 89.6 | 90.0 | 90.9 | 91.4 | 93.2 | 95.4 | 96.4 | 100.1 | 102.6 | 102.7 | 99.4 | 95.7 | | 156.4 |
| LOC EVENDALE | 200 | 86.6 | 89.2 | 88.9 | 90.2 | 90.8 | 92.2 | 93.3 | 95.5 | 96.6 | 99.0 | 100.8 | 101.0 | 97.6 | 93.2 | | 155.3 |
| DATE 05-09-75 | 250 | 87.8 | 88.3 | 87.8 | 90.9 | 91.5 | 92.1 | 93.3 | 95.1 | 96.5 | 98.9 | 100.2 | 99.8 | 96.4 | 92.5 | | 154.8 |
| RUN DBTF-MODEL 9 | 315 | 86.8 | 88.6 | 89.3 | 89.2 | 90.4 | 90.9 | 93.0 | 94.7 | 96.8 | 97.8 | 98.3 | 96.2 | 95.2 | 91.5 | | 153.9 |
| TAPE X90230 | 400 | 86.3 | 88.2 | 89.6 | 90.5 | 91.4 | 92.4 | 93.1 | 94.7 | 96.1 | 97.9 | 98.2 | 97.6 | 95.1 | 91.9 | | 153.9 |
| BAR 29.4 HG | 500 | 85.0 | 87.7 | 89.3 | 90.4 | 91.2 | 92.4 | 93.4 | 95.3 | 96.9 | 97.7 | 97.3 | 96.6 | 94.1 | 91.8 | | 153.8 |
| (99347, N/M2) | 630 | 85.0 | 88.1 | 89.7 | 91.1 | 91.3 | 92.9 | 93.8 | 96.6 | 99.4 | 99.3 | 96.5 | 96.4 | 93.6 | 91.8 | | 154.7 |
| TAMB 75, DEG F | 800 | 85.9 | 89.4 | 91.6 | 92.7 | 94.0 | 95.6 | 95.8 | 98.2 | 100.7 | 100.0 | 96.7 | 95.8 | 93.2 | 91.2 | | 156.0 |
| (297, DEG K) | 1000 | 87.0 | 90.8 | 92.8 | 94.3 | 96.0 | 97.3 | 97.7 | 101.2 | 102.8 | 101.7 | 96.9 | 95.5 | 93.4 | 91.1 | | 157.9 |
| THET 60, DEG F | 1250 | 89.0 | 92.2 | 94.7 | 95.7 | 97.7 | 98.9 | 99.7 | 102.8 | 104.4 | 103.1 | 98.6 | 96.0 | 93.7 | 92.0 | | 159.5 |
| (289, DEG K) | 1600 | 89.2 | 92.8 | 95.1 | 96.6 | 98.0 | 99.7 | 101.3 | 103.4 | 104.8 | 104.6 | 100.1 | 97.3 | 94.5 | 92.1 | | 160.6 |
| HACT 0, GM/H3 | 2000 | 87.6 | 90.9 | 93.6 | 94.7 | 97.4 | 98.9 | 99.7 | 102.2 | 103.5 | 102.9 | 100.1 | 96.9 | 94.1 | 91.2 | | 159.6 |
| (, KG/H3) | 2500 | 84.5 | 88.6 | 91.0 | 92.6 | 94.1 | 95.5 | 96.7 | 98.4 | 99.8 | 99.6 | 96.5 | 94.2 | 90.5 | 87.6 | | 156.5 |
| FREQ, SHIFT | 3150 | 81.8 | 86.3 | 88.8 | 90.4 | 91.1 | 92.4 | 93.9 | 95.8 | 96.8 | 96.6 | 91.5 | 88.5 | 86.3 | 83.8 | | 153.9 |
| JET 9 | 4000 | 77.5 | 82.3 | 85.1 | 86.8 | 87.6 | 89.7 | 90.8 | 92.7 | 93.1 | 93.1 | 88.5 | 85.3 | 82.9 | 79.3 | | 151.3 |
| DIAMETER RATIO | 5000 | 74.6 | 79.3 | 81.5 | 83.8 | 84.4 | 85.4 | 87.1 | 88.8 | 90.2 | 89.5 | 83.7 | 81.6 | 80.3 | 77.0 | | 148.1 |
| DF/DH 8.00 | 6300 | 71.4 | 74.9 | 77.6 | 79.9 | 79.6 | 82.4 | 83.4 | 85.6 | 86.4 | 87.3 | 80.5 | 80.2 | 79.1 | 76.2 | | 146.2 |
| OVERALL CALCULATED | 8000 | 70.2 | 71.4 | 73.5 | 75.8 | 75.8 | 80.1 | 81.5 | 83.4 | 84.1 | 86.7 | 79.0 | 81.0 | 80.2 | 77.7 | | 146.4 |
| PNOB | 10000 | 70.2 | 68.8 | 69.6 | 72.1 | 73.4 | 80.7 | 82.3 | 82.5 | 81.4 | 87.6 | 79.9 | 82.9 | 81.9 | 79.6 | | 149.1 |
| | | 99.8 | 102.1 | 103.9 | 104.9 | 106.3 | 107.6 | 108.7 | 111.1 | 112.7 | 113.2 | 112.6 | 114.6 | 115.3 | 113.3 | | 170.4 |
| | | 109.7 | 112.7 | 114.9 | 116.0 | 117.7 | 119.2 | 120.3 | 122.6 | 124.0 | 124.1 | 121.7 | 120.4 | 118.3 | 115.7 | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV, ALPHA 12/73 FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 63.1 | 62.9 | 70.0 | 69.0 | 71.2 | 72.2 | 73.9 | 76.3 | 78.1 | 80.6 | 80.5 | 85.4 | 87.1 | 80.8 | | |
| SIDELINE 2400. FT; | 63 | 63.6 | 66.7 | 69.2 | 69.3 | 70.2 | 72.3 | 75.0 | 76.4 | 77.4 | 78.5 | 80.1 | 84.7 | 84.4 | 78.4 | | |
| (731.52 M) | 80 | 64.0 | 66.7 | 69.3 | 68.9 | 71.4 | 71.6 | 74.9 | 76.7 | 78.9 | 79.4 | 82.3 | 85.3 | 84.1 | 79.5 | | |
| NFA | 100 | 62.8 | 66.8 | 68.7 | 70.4 | 72.1 | 72.8 | 74.6 | 77.4 | 78.9 | 81.7 | 82.2 | 82.7 | 79.3 | 76.7 | | |
| 0. RPM | 125 | 63.5 | 65.2 | 69.2 | 70.0 | 71.6 | 73.4 | 75.3 | 76.8 | 78.4 | 81.4 | 81.6 | 82.5 | 77.3 | 71.4 | | |
| (0. RAD/SEC) | 160 | 62.4 | 66.6 | 69.1 | 70.7 | 71.9 | 73.3 | 75.2 | 77.3 | 77.9 | 80.8 | 82.1 | 80.6 | 74.9 | 67.3 | | |
| NFK | 200 | 61.7 | 66.9 | 68.3 | 70.8 | 72.1 | 74.0 | 75.2 | 77.3 | 77.9 | 79.5 | 80.2 | 78.6 | 72.8 | 64.5 | | |
| (0. RAD/SEC) | 250 | 62.7 | 65.8 | 67.0 | 71.3 | 72.6 | 73.7 | 75.0 | 76.7 | 77.6 | 79.3 | 79.3 | 77.2 | 71.2 | 63.3 | | |
| NFD | 315 | 61.3 | 65.7 | 68.2 | 69.4 | 71.3 | 72.3 | 74.5 | 76.1 | 77.7 | 78.0 | 77.2 | 75.3 | 69.6 | 61.6 | | |
| (0. RAD/SEC) | 400 | 60.2 | 64.9 | 68.1 | 70.3 | 72.0 | 73.5 | 74.4 | 75.8 | 76.8 | 77.7 | 76.8 | 74.3 | 69.0 | 61.2 | | |
| AIRFLOW RATIO | 500 | 58.2 | 63.9 | 67.4 | 69.8 | 71.5 | 73.2 | 74.4 | 76.1 | 77.2 | 77.2 | 75.4 | 72.8 | 67.3 | 60.1 | | |
| WF/WM 8.00 | 630 | 57.4 | 63.6 | 67.3 | 70.2 | 71.3 | 73.3 | 74.4 | 77.0 | 79.3 | 78.3 | 74.1 | 72.0 | 65.9 | 58.7 | | |
| | 800 | 57.1 | 64.1 | 68.5 | 71.1 | 73.3 | 75.5 | 75.8 | 78.1 | 80.0 | 78.4 | 73.6 | 70.5 | 64.4 | 56.6 | | |
| VEHICLE JENOTS | 1000 | 56.9 | 64.4 | 68.8 | 71.9 | 74.7 | 76.6 | 77.2 | 80.4 | 81.4 | 79.3 | 73.0 | 69.1 | 63.3 | 54.5 | | |
| CONFIG JE-063 | 1250 | 57.2 | 64.5 | 69.7 | 72.5 | 75.5 | 77.3 | 78.4 | 81.2 | 82.2 | 79.9 | 73.6 | 68.3 | 61.9 | 52.8 | | |
| LOC EVENDALE | 1600 | 55.0 | 63.3 | 68.6 | 72.0 | 74.6 | 77.0 | 78.8 | 80.7 | 81.4 | 80.0 | 73.5 | 67.8 | 60.2 | 49.3 | | |
| DATE 05-09-75 | 2000 | 50.5 | 59.2 | 65.3 | 68.5 | 72.5 | 74.8 | 75.9 | 78.2 | 78.7 | 76.7 | 71.7 | 65.2 | 57.0 | 44.1 | | |
| RUN DBTF-MODEL 9 | 2500 | 43.2 | 53.7 | 60.0 | 64.1 | 67.2 | 69.5 | 70.9 | 72.4 | 72.9 | 71.1 | 65.5 | 59.3 | 49.2 | 34.1 | | |
| TAPE X90230 | 3150 | 33.8 | 46.2 | 53.5 | 58.2 | 60.9 | 63.2 | 64.6 | 66.6 | 66.5 | 64.4 | 56.3 | 48.4 | 38.2 | 20.3 | | |
| FAN TIP SPEED | 4000 | 19.4 | 34.6 | 43.6 | 49.1 | 52.3 | 55.7 | 57.2 | 58.7 | 57.8 | 55.4 | 46.9 | 37.6 | 24.7 | 0.7 | | |
| FT/SEC | 5000 | 10.6 | 27.1 | 36.3 | 42.9 | 46.2 | 48.7 | 50.8 | 52.0 | 51.9 | 48.6 | 38.4 | 29.4 | 16.3 | | | |
| | 6300 | | 9.6 | 21.6 | 29.6 | 32.8 | 37.5 | 39.1 | 40.7 | 39.6 | 37.0 | 24.5 | 14.9 | | | | |
| | 8000 | | | 11.0 | 15.8 | 22.7 | 25.0 | 26.0 | 24.1 | 22.0 | 6.5 | | | | | | |
| | 10000 | | | | | 6.0 | 8.7 | 7.7 | 3.1 | 2.8 | | | | | | | |
| OVERALL CALCULATED | | 73.4 | 77.4 | 80.9 | 82.9 | 85.0 | 86.7 | 88.1 | 90.3 | 91.5 | 91.8 | 91.2 | 92.4 | 91.1 | 85.5 | | |
| PND8 | | 76.1 | 83.0 | 87.7 | 90.8 | 93.3 | 95.4 | 97.0 | 99.0 | 99.9 | 99.1 | 95.2 | 92.8 | 88.7 | 81.4 | | |

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PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT RLL, HUM, DAY - JENOTS)
 PROC. DATE - MONTH 7, DAY 0, YR. 00

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | | PAL |
|------------------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|----------|------|--|-------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | | |
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (C.) | (D.) | (E.) | | |
| | | 50 | 90.9 | 89.0 | 93.6 | 91.7 | 92.9 | 93.5 | 95.1 | 97.6 | 99.1 | 102.8 | 104.8 | 110.3 | 115.0 | 110.6 | | | | | 164.1 |
| | NO EGA | 63 | 93.1 | 92.8 | 93.6 | 92.0 | 93.5 | 94.6 | 96.5 | 98.2 | 99.4 | 102.2 | 105.0 | 111.1 | 112.3 | 111.3 | | | | | 163.4 |
| | RDG. NO. 0. | 80 | 94.1 | 93.0 | 93.7 | 91.5 | 93.5 | 94.0 | 96.1 | 98.4 | 100.9 | 103.2 | 107.7 | 110.6 | 114.7 | 114.3 | | | | | 165.0 |
| | RADIAL 320. FT. | 100 | 93.0 | 93.4 | 93.9 | 94.3 | 94.8 | 95.0 | 96.7 | 99.9 | 101.3 | 105.5 | 107.5 | 109.5 | 110.0 | 111.0 | | | | | 163.1 |
| | (98. H) | 125 | 93.8 | 92.1 | 94.0 | 92.9 | 93.5 | 95.4 | 97.2 | 99.3 | 101.6 | 105.3 | 107.5 | 108.9 | 106.1 | 107.2 | | | | | 162.2 |
| | VEHICLE JENOTS | 160 | 92.5 | 92.9 | 93.6 | 93.8 | 94.7 | 95.7 | 97.9 | 99.7 | 101.4 | 104.9 | 107.6 | 106.7 | 105.4 | 103.9 | | | | | 161.2 |
| | CONFIG JE-063 | 200 | 91.6 | 93.5 | 92.7 | 93.7 | 94.8 | 96.5 | 98.0 | 100.2 | 102.1 | 104.5 | 106.3 | 105.5 | 103.6 | 102.2 | | | | | 160.5 |
| | LOC EVENDALE | 250 | 92.6 | 92.3 | 92.0 | 94.9 | 95.5 | 97.1 | 98.0 | 100.1 | 101.7 | 104.1 | 105.7 | 105.3 | 103.6 | 101.5 | | | | | 160.2 |
| | DATE 05-09-75 | 315 | 92.1 | 92.8 | 93.5 | 93.2 | 94.4 | 96.2 | 97.5 | 100.2 | 102.1 | 103.6 | 104.8 | 104.9 | 103.7 | 100.8 | | | | | 159.9 |
| | RUN DBTF-MODEL 9 | 400 | 92.3 | 92.9 | 93.1 | 94.2 | 95.1 | 96.4 | 97.6 | 99.9 | 102.3 | 103.9 | 104.4 | 105.4 | 103.8 | 100.9 | | | | | 160.1 |
| | TAPE X90250 | 500 | 91.0 | 92.2 | 92.0 | 94.1 | 95.2 | 96.6 | 97.2 | 100.5 | 104.3 | 103.7 | 103.6 | 104.9 | 104.3 | 99.4 | | | | | 160.2 |
| | BAR 29.4 HG | 630 | 90.8 | 92.1 | 92.4 | 94.1 | 95.3 | 97.1 | 98.3 | 101.6 | 104.9 | 103.5 | 103.8 | 104.9 | 103.1 | 98.9 | | | | | 160.4 |
| | (99347, N/M2) | 800 | 90.4 | 92.9 | 93.9 | 95.7 | 96.8 | 98.6 | 99.3 | 102.5 | 105.2 | 103.3 | 103.2 | 103.8 | 102.0 | 97.5 | | | | | 160.6 |
| | TAHS 74, DEG F | 1000 | 90.2 | 93.8 | 94.3 | 96.5 | 98.8 | 99.8 | 100.2 | 104.2 | 106.3 | 102.7 | 101.7 | 102.2 | 100.1 | 96.1 | | | | | 161.0 |
| | (296, DEG K) | 1250 | 91.5 | 93.9 | 95.2 | 97.5 | 99.4 | 101.1 | 102.0 | 105.8 | 107.1 | 102.9 | 101.1 | 100.2 | 98.4 | 95.0 | | | | | 161.8 |
| | TJET 58, DEG F | 1600 | 91.2 | 94.5 | 95.6 | 97.3 | 100.0 | 101.5 | 103.0 | 105.4 | 107.1 | 103.9 | 101.1 | 99.5 | 97.2 | 93.6 | | | | | 167.1 |
| | (288, DEG K) | 2000 | 90.1 | 93.4 | 94.6 | 96.7 | 99.1 | 100.9 | 102.0 | 103.7 | 105.5 | 102.4 | 99.6 | 97.6 | 95.1 | 91.7 | | | | | 161.9 |
| | HACT 0, G4/H3 | 2500 | 87.8 | 91.3 | 92.5 | 95.1 | 96.8 | 97.5 | 99.4 | 100.7 | 102.8 | 99.3 | 97.2 | 95.2 | 92.5 | 88.8 | | | | | 158.5 |
| | (, KG/H3) | 3150 | 84.8 | 88.5 | 89.8 | 92.6 | 93.9 | 95.4 | 96.8 | 98.3 | 99.8 | 96.8 | 93.0 | 92.0 | 90.3 | 85.8 | | | | | 156.2 |
| | FREQ. SHIFT | 4000 | 80.5 | 84.3 | 86.1 | 88.6 | 89.4 | 92.7 | 93.5 | 94.7 | 96.4 | 94.1 | 90.7 | 89.1 | 87.9 | 83.0 | | | | | 153.7 |
| | JET 9 | 5000 | 77.6 | 81.0 | 82.8 | 85.8 | 86.6 | 87.4 | 89.4 | 92.0 | 93.7 | 91.0 | 87.2 | 87.1 | 86.0 | 83.0 | | | | | 150.9 |
| | D,AMETER RATIO | 6300 | 73.7 | 76.4 | 78.6 | 81.9 | 82.6 | 84.2 | 86.2 | 88.6 | 90.1 | 91.0 | 86.0 | 88.0 | 87.6 | 84.9 | | | | | 149.9 |
| | DF/DN 8.00 | 8000 | 71.7 | 72.9 | 74.5 | 79.5 | 81.3 | 81.8 | 83.8 | 86.1 | 87.8 | 93.0 | 87.0 | 90.0 | 89.7 | 87.0 | | | | | 151.9 |
| | | 10000 | 71.2 | 69.5 | 70.3 | 78.1 | 81.4 | 80.7 | 82.8 | 84.2 | 84.4 | 95.4 | 88.9 | 91.7 | 91.9 | 89.1 | | | | | 155.7 |
| | OVERALL CALCULATED | | 104.5 | 105.6 | 106.4 | 107.6 | 109.1 | 110.6 | 111.8 | 114.4 | 116.5 | 116.3 | 117.4 | 119.2 | 120.7 | 119.1 | | | | | 174.5 |
| | PNDB | | 113.2 | 115.6 | 116.6 | 118.6 | 120.3 | 121.8 | 123.1 | 125.2 | 127.1 | 129.8 | 124.4 | 124.3 | 123.7 | 121.6 | | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DIG, F, 70 PERCENT RFL, HUM, DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 0. | 0. | 0. |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. ALPHA 12/73 FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 67.1 | 67.4 | 73.5 | 72.7 | 74.7 | 75.7 | 77.4 | 79.8 | 80.8 | 83.9 | 84.7 | 88.7 | 91.1 | 83.3 | | |
| SIDELINE 2400. FT. | 63 | 69.1 | 71.2 | 73.5 | 73.0 | 75.2 | 76.8 | 78.8 | 80.4 | 81.2 | 83.2 | 84.9 | 89.5 | 88.4 | 83.9 | | |
| (731.52 M) | 80 | 70.0 | 71.2 | 73.6 | 72.4 | 75.2 | 76.1 | 78.4 | 80.5 | 82.6 | 84.2 | 87.6 | 88.8 | 90.6 | 86.7 | | |
| NFA | 100 | 68.8 | 71.6 | 73.7 | 75.2 | 76.4 | 77.1 | 78.9 | 81.9 | 82.9 | 86.4 | 87.2 | 87.7 | 85.8 | 83.2 | | |
| (0. RPM) | 125 | 69.5 | 70.2 | 73.7 | 73.7 | 75.1 | 77.4 | 79.3 | 81.3 | 83.2 | 86.2 | 87.1 | 87.0 | 83.8 | 79.2 | | |
| (0. RAD/SEC) | 160 | 67.9 | 70.8 | 73.1 | 74.5 | 76.2 | 77.6 | 79.9 | 81.6 | 82.9 | 85.6 | 87.1 | 84.6 | 80.9 | 75.6 | | |
| NFK | 200 | 66.7 | 71.2 | 72.0 | 74.3 | 76.1 | 78.3 | 79.9 | 82.0 | 83.4 | 85.0 | 85.7 | 83.1 | 78.8 | 73.5 | | |
| (0. RAD/SEC) | 250 | 67.5 | 69.8 | 71.2 | 75.3 | 76.6 | 78.7 | 79.8 | 81.7 | 82.9 | 84.5 | 84.8 | 82.7 | 78.5 | 72.3 | | |
| NFD | 315 | 66.5 | 69.9 | 72.4 | 73.4 | 75.3 | 77.6 | 79.0 | 81.6 | 83.0 | 83.7 | 83.7 | 82.1 | 78.1 | 70.9 | | |
| (0. RAD/SEC) | 400 | 66.2 | 69.6 | 71.6 | 74.1 | 75.8 | 77.5 | 78.9 | 81.1 | 83.0 | 83.7 | 83.0 | 82.1 | 77.7 | 70.2 | | |
| AIRFLOW RATIO | 500 | 64.2 | 68.4 | 70.2 | 73.6 | 75.5 | 77.5 | 78.2 | 81.3 | 84.6 | 83.2 | 81.8 | 81.0 | 77.5 | 68.1 | | |
| WF/WM 8.00 | 630 | 63.2 | 67.6 | 70.0 | 73.2 | 75.3 | 77.6 | 78.9 | 82.0 | 84.8 | 82.6 | 81.4 | 80.5 | 75.4 | 65.9 | | |
| | 800 | 61.6 | 67.6 | 70.8 | 74.1 | 76.1 | 78.5 | 79.3 | 82.4 | 84.5 | 81.7 | 80.1 | 78.5 | 73.2 | 62.8 | | |
| VEHICLE JENOTS | 1000 | 60.1 | 67.4 | 70.3 | 74.2 | 77.4 | 79.1 | 79.7 | 83.4 | 84.9 | 80.3 | 77.7 | 75.9 | 70.0 | 59.5 | | |
| CONFIG JE-063 | 1250 | 59.7 | 66.3 | 70.2 | 74.2 | 77.3 | 79.6 | 80.6 | 84.2 | 84.9 | 79.6 | 76.1 | 72.6 | 66.6 | 55.8 | | |
| LOC EVENDALE | 1600 | 57.0 | 65.0 | 69.1 | 72.7 | 76.6 | 78.8 | 80.5 | 82.7 | 83.7 | 79.3 | 74.5 | 70.0 | 63.0 | 50.8 | | |
| DATE 05-09-75 | 2000 | 53.0 | 61.7 | 66.3 | 70.5 | 74.3 | 76.8 | 78.2 | 79.7 | 80.7 | 76.2 | 71.2 | 65.9 | 56.0 | 44.6 | | |
| RUN DBTF-MODEL 9 | 2500 | 46.5 | 56.4 | 61.5 | 66.6 | 69.9 | 71.5 | 73.6 | 74.7 | 75.9 | 70.8 | 66.2 | 60.3 | 51.2 | 35.4 | | |
| TAPE X90250 | 3150 | 36.8 | 48.5 | 54.5 | 60.5 | 63.6 | 66.2 | 67.9 | 69.1 | 69.5 | 64.7 | 57.8 | 51.9 | 42.2 | 22.3 | | |
| FAN TIP SPEED | 4000 | 22.4 | 36.6 | 44.6 | 50.9 | 54.1 | 58.7 | 59.9 | 60.7 | 61.1 | 56.4 | 49.2 | 41.4 | 29.7 | 4.5 | | |
| FT/SEC | 5000 | 13.6 | 28.8 | 37.5 | 44.9 | 48.4 | 50.7 | 53.1 | 55.3 | 55.4 | 50.1 | 41.9 | 34.9 | 22.0 | | | |
| | 6300 | | 11.1 | 22.6 | 31.6 | 35.8 | 39.3 | 41.9 | 43.7 | 43.3 | 40.7 | 30.0 | 22.7 | 6.4 | | | |
| | 8000 | | | 2.0 | 14.8 | 21.3 | 24.5 | 27.3 | 28.8 | 27.9 | 28.2 | 14.5 | 4.6 | | | | |
| | 10000 | | | | 3.1 | 6.0 | 9.2 | 9.5 | 6.1 | 10.5 | | | | | | | |
| OVERALL CALCULATED | | 78.7 | 81.6 | 84.2 | 86.1 | 88.3 | 90.2 | 91.6 | 94.1 | 95.7 | 95.9 | 96.4 | 96.9 | 96.3 | 91.2 | | |
| PNDB | | 81.1 | 86.2 | 89.7 | 93.0 | 96.1 | 98.2 | 99.8 | 102.1 | 103.4 | 101.0 | 99.5 | 98.2 | 95.5 | 89.2 | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY = JENOTS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | PWL | | |
|--------------------------------------|---|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----|--|-------|
| | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| NO EGA | 50 | 92.7 | 87.2 | 91.3 | 93.4 | 95.2 | 90.7 | 95.3 | 96.6 | 95.6 | 91.8 | 87.8 | 91.3 | 97.7 | 98.4 | | | | 153.3 |
| ROG. NO. 01 | 63 | 78.8 | 78.1 | 80.6 | 80.3 | 81.0 | 80.9 | 83.0 | 83.6 | 84.2 | 84.4 | 86.0 | 91.9 | 93.8 | 93.8 | | | | 145.7 |
| RADIAL 320. FT.
(98. M) | 80 | 77.6 | 78.7 | 80.7 | 79.2 | 80.7 | 80.8 | 82.1 | 82.9 | 84.4 | 84.2 | 86.7 | 90.6 | 93.7 | 96.6 | | | | 146.0 |
| VEHICLE JENOTS | 100 | 78.5 | 82.2 | 80.4 | 82.8 | 81.5 | 80.3 | 81.4 | 83.4 | 84.5 | 87.3 | 89.0 | 91.3 | 92.2 | 94.7 | | | | 146.0 |
| CONFIG JE-063 | 125 | 80.1 | 79.4 | 81.5 | 80.9 | 80.8 | 81.7 | 82.2 | 83.6 | 84.9 | 86.8 | 88.0 | 91.9 | 91.1 | 91.2 | | | | 145.2 |
| LOC EVENDALE | 160 | 78.3 | 79.2 | 80.4 | 79.3 | 80.5 | 81.2 | 82.4 | 83.9 | 84.2 | 86.6 | 88.9 | 91.0 | 89.9 | 87.7 | | | | 144.6 |
| DATE 05-09-75 | 200 | 77.6 | 79.0 | 78.9 | 79.5 | 80.1 | 80.7 | 81.8 | 83.5 | 84.1 | 85.8 | 88.1 | 89.5 | 87.6 | 85.2 | | | | 143.5 |
| RUN DBTF-MODEL 9 | 250 | 78.6 | 77.3 | 77.5 | 79.7 | 80.2 | 80.9 | 81.0 | 82.8 | 84.0 | 84.9 | 87.2 | 88.8 | 85.6 | 83.0 | | | | 142.8 |
| TAPE X90420 | 315 | 77.6 | 77.8 | 78.3 | 77.5 | 78.9 | 79.7 | 80.5 | 82.2 | 83.0 | 84.6 | 85.3 | 87.4 | 83.7 | 80.5 | | | | 141.6 |
| BAR 29.4 HG | 400 | 75.6 | 76.7 | 77.3 | 77.5 | 78.1 | 78.4 | 78.8 | 80.9 | 81.6 | 83.9 | 84.7 | 86.4 | 82.6 | 79.2 | | | | 140.7 |
| (99246. N/M2) | 500 | 74.5 | 75.7 | 76.3 | 76.9 | 77.2 | 78.4 | 78.7 | 80.5 | 80.8 | 82.9 | 83.1 | 83.8 | 79.3 | 76.6 | | | | 139.4 |
| TAMB 79. DEG F | 630 | 73.8 | 75.0 | 75.6 | 75.9 | 76.8 | 77.6 | 78.6 | 80.3 | 81.1 | 83.0 | 83.2 | 82.7 | 78.3 | 75.9 | | | | 139.2 |
| (299. DEG K) | 800 | 72.6 | 75.4 | 75.4 | 76.0 | 77.0 | 77.6 | 77.5 | 79.5 | 80.1 | 81.5 | 81.7 | 81.3 | 77.4 | 74.9 | | | | 138.3 |
| TWET 61. DEG F | 1000 | 71.7 | 75.0 | 75.0 | 75.7 | 76.7 | 77.3 | 77.5 | 79.4 | 79.7 | 81.4 | 81.6 | 79.9 | 76.4 | 74.6 | | | | 138.0 |
| (289. DEG K) | 1250 | 70.9 | 73.9 | 75.1 | 75.2 | 76.4 | 76.8 | 76.9 | 78.7 | 79.8 | 80.8 | 81.1 | 78.9 | 75.9 | 74.2 | | | | 137.7 |
| HACT 0. GH/M3 | 1600 | 68.6 | 72.2 | 72.8 | 73.7 | 74.6 | 75.1 | 75.7 | 77.0 | 77.2 | 79.6 | 79.5 | 78.4 | 74.6 | 72.5 | | | | 136.3 |
| (. KG/M3) | 2000 | 66.1 | 69.5 | 70.3 | 71.1 | 73.0 | 73.0 | 74.0 | 75.4 | 75.2 | 76.8 | 77.2 | 77.1 | 72.5 | 70.1 | | | | 134.4 |
| FREQ. SHIFT | 2500 | 62.0 | 66.5 | 67.0 | 68.3 | 69.3 | 69.5 | 70.3 | 72.1 | 72.7 | 74.0 | 73.4 | 72.6 | 69.2 | 66.7 | | | | 131.3 |
| JET 9 | 3150 | 58.5 | 63.2 | 63.4 | 65.8 | 66.3 | 67.1 | 67.7 | 69.5 | 69.5 | 70.8 | 68.5 | 68.6 | 67.0 | 64.4 | | | | 128.6 |
| DIAMETER RATIO | 4000 | 55.0 | 58.8 | 59.1 | 62.8 | 63.9 | 64.7 | 65.5 | 66.2 | 65.3 | 68.3 | 66.2 | 66.0 | 64.8 | 62.0 | | | | 126.5 |
| DF/DH 8.00 | 5000 | 55.3 | 56.5 | 56.8 | 62.8 | 64.4 | 63.7 | 64.6 | 64.3 | 62.9 | 67.9 | 63.1 | 65.3 | 65.5 | 62.5 | | | | 126.0 |
| OVERALL CALCULATED | 6300 | 57.2 | 55.7 | 54.9 | 64.7 | 66.1 | 64.7 | 66.7 | 66.1 | 62.6 | 70.5 | 64.3 | 67.7 | 66.8 | 64.7 | | | | 129.0 |
| PNOB | 8000 | 59.2 | 56.9 | 56.1 | 67.3 | 68.6 | 67.1 | 69.1 | 68.9 | 64.9 | 73.0 | 66.8 | 70.0 | 70.0 | 67.5 | | | | 133.4 |
| | 10000 | 60.3 | 57.9 | 57.2 | 68.5 | 70.7 | 69.8 | 71.1 | 71.1 | 67.2 | 76.2 | 68.8 | 72.3 | 71.8 | 69.7 | | | | 138.4 |
| | | 94.1 | 91.6 | 93.8 | 95.2 | 96.6 | 94.1 | 97.1 | 98.4 | 98.1 | 97.6 | 98.1 | 100.7 | 102.1 | 102.9 | | | | 157.1 |
| | | 95.7 | 95.8 | 96.7 | 98.5 | 99.7 | 99.1 | 100.5 | 101.8 | 101.7 | 103.7 | 103.4 | 104.8 | 103.3 | 102.9 | | | | |

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ORIGINAL PAGE IS
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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET (IN DEGREES (AND RADIANS))

| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. ALPHA 12/73 | | FREQ, (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 68.8 | 65.6 | 71.3 | 74.5 | 77.0 | 72.9 | 77.7 | 78.8 | 77.4 | 72.9 | 67.7 | 69.7 | 73.9 | 71.1 | | |
| SIDELINE 2400, FT: | | 63 | 54.9 | 56.4 | 60.5 | 61.3 | 62.7 | 63.0 | 65.3 | 65.6 | 65.9 | 65.5 | 65.9 | 70.2 | 69.9 | 66.4 | | |
| (731.52 M) | | 80 | 53.5 | 57.0 | 60.6 | 60.2 | 62.4 | 62.9 | 64.4 | 65.0 | 66.1 | 65.2 | 66.6 | 68.8 | 69.6 | 69.0 | | |
| NFA 0. RPM | | 100 | 54.3 | 60.3 | 60.2 | 63.7 | 63.1 | 62.3 | 63.6 | 65.4 | 66.2 | 68.2 | 68.7 | 69.4 | 68.0 | 66.9 | | |
| (0. RAD/SEC) | | 125 | 55.7 | 57.4 | 61.2 | 61.7 | 62.3 | 63.7 | 64.3 | 65.6 | 66.4 | 67.7 | 67.6 | 70.0 | 66.8 | 63.2 | | |
| NFK 0. RPM | | 160 | 53.7 | 57.1 | 59.9 | 60.0 | 61.9 | 63.1 | 64.4 | 65.8 | 65.6 | 67.3 | 68.4 | 68.9 | 65.4 | 59.3 | | |
| (0. RAD/SEC) | | 200 | 52.7 | 56.7 | 58.3 | 60.0 | 61.4 | 62.5 | 63.7 | 65.3 | 65.4 | 66.3 | 67.5 | 67.1 | 62.8 | 56.5 | | |
| NFD 0. RPM | | 250 | 53.5 | 54.8 | 56.7 | 60.0 | 61.4 | 62.5 | 62.8 | 64.4 | 65.1 | 65.3 | 66.3 | 66.2 | 60.5 | 53.8 | | |
| (0. RAD/SEC) | | 315 | 52.0 | 54.9 | 57.2 | 57.6 | 59.8 | 61.1 | 62.0 | 63.6 | 64.0 | 64.7 | 64.2 | 64.6 | 58.1 | 50.6 | | |
| AIRFLOW RATIO | | 400 | 49.5 | 53.4 | 55.9 | 57.3 | 58.8 | 59.5 | 60.1 | 62.0 | 62.2 | 63.7 | 63.3 | 63.1 | 56.5 | 48.5 | | |
| WF/WM 8.00 | | 500 | 47.7 | 51.9 | 54.4 | 56.3 | 57.5 | 59.2 | 59.7 | 61.3 | 61.2 | 62.4 | 61.2 | 60.0 | 52.6 | 44.9 | | |
| | | 630 | 46.2 | 50.6 | 53.3 | 54.9 | 56.7 | 58.1 | 59.2 | 60.7 | 61.0 | 62.0 | 60.9 | 58.2 | 50.7 | 42.9 | | |
| | | 800 | 43.8 | 50.1 | 52.2 | 54.3 | 56.3 | 57.4 | 57.6 | 59.4 | 59.5 | 59.9 | 58.6 | 56.0 | 48.7 | 40.3 | | |
| VEHICLE JENOTS | | 1000 | 41.6 | 48.6 | 51.1 | 53.4 | 55.4 | 56.6 | 56.9 | 58.7 | 58.4 | 59.0 | 57.7 | 53.6 | 46.2 | 37.9 | | |
| CONFIG JE-063 | | 1250 | 39.1 | 46.2 | 50.1 | 51.9 | 54.2 | 55.2 | 55.6 | 57.2 | 57.6 | 57.5 | 56.0 | 51.3 | 44.1 | 35.0 | | |
| LOC EVENDALE | | 1600 | 34.4 | 42.7 | 46.3 | 49.1 | 51.3 | 52.4 | 53.2 | 54.3 | 53.8 | 55.0 | 52.9 | 48.9 | 40.4 | 29.7 | | |
| DATE 05-09-75 | | 2000 | 29.0 | 37.8 | 41.9 | 44.9 | 48.2 | 49.0 | 50.2 | 51.3 | 50.4 | 50.6 | 48.9 | 45.4 | 35.4 | 23.0 | | |
| RUN DBTF-MODEL 9 | | 2500 | 20.6 | 31.6 | 36.0 | 39.8 | 42.4 | 43.4 | 44.6 | 46.1 | 45.8 | 45.5 | 42.4 | 37.7 | 27.9 | 13.3 | | |
| TAPE X20420 | | 3150 | 10.4 | 23.2 | 28.2 | 33.6 | 36.0 | 37.8 | 38.8 | 40.2 | 39.2 | 38.6 | 33.3 | 28.6 | 18.9 | 1.0 | | |
| FAN TIP SPEED | | 4000 | | 11.1 | 17.5 | 25.1 | 28.6 | 30.7 | 31.9 | 32.2 | 30.0 | 30.6 | 24.6 | 18.3 | 6.7 | | | |
| FT/SEC | | 5000 | | 4.3 | 11.5 | 21.9 | 26.2 | 26.9 | 28.3 | 27.5 | 24.7 | 27.0 | 17.9 | 13.1 | 1.5 | | | |
| | | 6300 | | | | 14.4 | 19.3 | 19.8 | 22.4 | 21.2 | 19.8 | 20.2 | 8.3 | 2.5 | | | | |
| | | 8000 | | | | 2.6 | 8.6 | 9.8 | 12.6 | 11.6 | 4.9 | 8.3 | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 69.9 | 69.3 | 73.4 | 76.0 | 78.2 | 75.8 | 79.2 | 80.4 | 79.6 | 78.0 | 77.3 | 78.5 | 78.0 | 75.3 | | |
| PNDB | | | 64.1 | 68.3 | 71.4 | 73.5 | 75.4 | 76.1 | 77.2 | 78.8 | 78.8 | 79.5 | 78.9 | 78.3 | 73.5 | 68.6 | | |

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ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | P-L |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 79.4 | 76.2 | 80.1 | 78.9 | 80.2 | 80.0 | 80.8 | 83.6 | 84.1 | 86.3 | 85.0 | 91.0 | 94.5 | 94.4 | | | | 145.7 |
| RDG. NO. 0 | 63 | 92.1 | 90.3 | 91.6 | 88.3 | 82.2 | 88.4 | 85.0 | 91.0 | 91.4 | 91.2 | 94.0 | 96.6 | 93.6 | 97.3 | | | | 150.9 |
| RADIAL 320. FT.
(98. M) | 80 | 78.3 | 79.7 | 81.7 | 79.5 | 81.2 | 80.3 | 81.6 | 83.6 | 84.2 | 84.7 | 87.2 | 91.1 | 93.7 | 95.6 | | | | 145.9 |
| VEHICLE JENOTS | 100 | 79.5 | 81.9 | 81.9 | 82.5 | 82.5 | 81.5 | 81.7 | 84.4 | 85.0 | 87.8 | 89.2 | 91.3 | 92.0 | 94.0 | | | | 146.0 |
| CONFIG JE-063 | 125 | 86.3 | 86.4 | 87.5 | 86.7 | 86.5 | 88.4 | 85.7 | 87.6 | 88.6 | 88.3 | 89.2 | 91.7 | 92.1 | 91.4 | | | | 147.7 |
| LOC EVENDALE | 160 | 78.8 | 79.4 | 80.6 | 80.6 | 80.5 | 81.2 | 82.9 | 84.2 | 84.7 | 86.6 | 88.9 | 90.2 | 89.9 | 87.0 | | | | 144.5 |
| DATE 05-09-75 | 200 | 77.8 | 79.7 | 79.7 | 79.7 | 80.1 | 81.5 | 82.0 | 83.5 | 84.1 | 86.0 | 87.8 | 89.0 | 86.9 | 84.2 | | | | 143.4 |
| RUN DBTE-MODEL 9 | 250 | 78.6 | 78.3 | 77.5 | 80.2 | 80.5 | 80.9 | 81.3 | 83.3 | 83.2 | 84.6 | 86.9 | 88.5 | 85.1 | 81.8 | | | | 142.6 |
| TAPE X90430 | 315 | 77.1 | 78.1 | 78.3 | 78.0 | 78.6 | 79.4 | 80.2 | 81.9 | 83.0 | 84.6 | 85.0 | 86.7 | 82.7 | 79.0 | | | | 141.3 |
| BAR 29.4 HG | 400 | 75.8 | 76.9 | 77.3 | 78.2 | 78.1 | 78.9 | 79.3 | 81.2 | 82.1 | 83.9 | 84.4 | 85.4 | 81.1 | 77.9 | | | | 140.5 |
| (99246, N/H2) | 500 | 75.7 | 76.7 | 76.5 | 77.1 | 77.9 | 79.4 | 78.9 | 80.5 | 81.8 | 83.4 | 84.1 | 83.3 | 79.1 | 76.3 | | | | 139.9 |
| TAMB 79, DEG F | 630 | 75.0 | 76.3 | 76.9 | 77.6 | 77.8 | 78.9 | 78.8 | 81.1 | 82.1 | 83.5 | 84.0 | 82.9 | 78.3 | 76.1 | | | | 139.9 |
| (299, DEG K) | 800 | 74.1 | 76.9 | 76.6 | 77.7 | 78.2 | 79.3 | 78.5 | 80.7 | 81.1 | 82.3 | 83.0 | 81.5 | 77.9 | 76.7 | | | | 139.4 |
| THET 61, DEG F | 1000 | 73.2 | 76.7 | 76.8 | 77.5 | 79.0 | 79.3 | 78.7 | 80.7 | 80.7 | 82.6 | 82.1 | 80.7 | 77.4 | 75.6 | | | | 139.3 |
| (289, DEG K) | 1250 | 72.7 | 76.6 | 77.4 | 78.2 | 78.6 | 79.0 | 78.4 | 80.2 | 80.8 | 81.6 | 82.1 | 78.9 | 77.1 | 76.2 | | | | 139.1 |
| HACT 0, G4/H3 | 1600 | 71.1 | 75.4 | 76.5 | 77.2 | 78.4 | 78.6 | 78.2 | 80.8 | 79.7 | 81.6 | 81.0 | 78.7 | 75.9 | 74.5 | | | | 138.5 |
| (, KG/H3) | 2000 | 68.5 | 73.8 | 74.3 | 74.9 | 76.8 | 77.0 | 76.7 | 77.4 | 78.2 | 79.1 | 80.0 | 78.1 | 74.5 | 72.4 | | | | 137.1 |
| FREQ. SHIFT | 2500 | 65.2 | 71.0 | 72.5 | 72.5 | 73.8 | 73.7 | 74.1 | 75.4 | 75.7 | 76.2 | 75.9 | 73.9 | 71.4 | 69.2 | | | | 134.5 |
| JCT 9 | 3150 | 63.0 | 67.9 | 69.2 | 69.8 | 70.3 | 71.1 | 71.2 | 72.5 | 72.0 | 72.8 | 71.5 | 70.6 | 68.2 | 66.4 | | | | 131.7 |
| DIAMETER RATIO | 4000 | 61.0 | 64.5 | 65.3 | 65.8 | 66.4 | 68.4 | 69.0 | 69.2 | 67.8 | 70.3 | 67.7 | 67.0 | 65.8 | 62.7 | | | | 129.2 |
| DF/DH 8.00 | 5000 | 61.8 | 63.5 | 63.5 | 63.5 | 65.6 | 64.9 | 66.1 | 65.8 | 64.9 | 68.4 | 64.1 | 65.8 | 65.8 | 63.0 | | | | 129.5 |
| OVERALL CALCULATED | 6300 | 64.7 | 64.7 | 63.4 | 65.3 | 65.9 | 65.9 | 66.9 | 66.4 | 63.4 | 70.5 | 65.0 | 67.7 | 67.6 | 64.9 | | | | 133.6 |
| PND8 | 8000 | 67.0 | 65.7 | 64.8 | 64.2 | 68.1 | 67.4 | 68.6 | 68.7 | 65.1 | 73.5 | 66.8 | 70.0 | 69.5 | 67.3 | | | | 138.5 |
| | 10000 | 69.0 | 67.1 | 66.2 | 66.2 | 69.5 | 68.8 | 71.1 | 70.8 | 66.7 | 76.2 | 69.3 | 72.3 | 71.8 | 69.5 | | | | 382.3 |
| | | 94.4 | 94.0 | 95.0 | 93.0 | 94.6 | 93.7 | 96.4 | 97.0 | 98.0 | 99.4 | 101.5 | 101.2 | 102.3 | | | | | 382.3 |
| | | 97.5 | 99.0 | 99.6 | 100.8 | 101.4 | 101.3 | 102.6 | 103.0 | 104.8 | 104.8 | 104.9 | 103.5 | 102.8 | | | | | |

ERROR
(DO NOT USE)

ERROR #19; TRACE OF CALLS IN REVERSE ORDER

| CALLING | ID | ABSOLUTE | ARGUMENT | ARGUMENT | ARGUMENT | ARGUMENT | ARGUMENT |
|---------|-----|----------|--------------|--------------|----------|----------|----------|
| ROUTINE | # | LOCATION | #1 | #2 | #3 | #4 | #5 |
| DEXP1 | 45 | 025376 | 000000000023 | | | | |
| FDXP2 | 56 | 025774 | 044675203304 | | | | |
| FAR | 381 | 106763 | 010500000000 | 042602575333 | | | |
| | 49 | 143560 | | | | | |

EXP(B),B GRT 88.028, NOT ALLOWED,

SET RESULT = 10**38

NOTE - NOY VALUE IN PNL CALCULATION EXCEEDS SPECIFICATION LIMIT, EXTRAPOLATED NOY VALUE USED,

RADIAL OR SIDELINE DATA - FREQUENCY = 5000, ANGLE = 60,

ERROR #19; TRACE OF CALLS IN REVERSE ORDER

| CALLING | ID | ABSOLUTE | ARGUMENT | ARGUMENT | ARGUMENT | ARGUMENT | ARGUMENT |
|---------|-----|----------|--------------|--------------|--------------|--------------|--------------|
| ROUTINE | # | LOCATION | #1 | #2 | #3 | #4 | #5 |
| DEXP1 | 45 | 025376 | 000000000023 | | | | |
| FDXP2 | 56 | 025774 | 042412624240 | | | | |
| PND8 | 36 | 073624 | 010500000000 | 036717354663 | | | |
| FAR | 391 | 107046 | 016465672742 | 377777777777 | 400000000000 | 012665171524 | 000000000030 |
| | 49 | 143560 | | | | | |

EXP(B),B GRT 88.028, NOT ALLOWED

SET RESULT = 10**38

ERROR #19; TRACE OF CALLS IN REVERSE ORDER

| CALLING | ID | ABSOLUTE | ARGUMENT | ARGUMENT | ARGUMENT | ARGUMENT | ARGUMENT |
|---------|----|----------|--------------|----------|----------|----------|----------|
| ROUTINE | # | LOCATION | #1 | #2 | #3 | #4 | #5 |
| DEXP1 | 45 | 025376 | 000000000023 | | | | |

ORIGINAL PAGE IS
OF POOR QUALITY

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY) | | | | | | | | | | | | | | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, |
| REV: ALPHA 12/73 | | FREQ, (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, |
| NO EGA | 50 | 55.6 | 54.6 | 60.0 | 60.0 | 62.0 | 62.2 | 63.2 | 65.8 | 65.9 | 67.4 | 65.0 | 69.5 | 70.6 | 67.1 | | | |
| SIDELINE 2400, FT: | 63 | 68.1 | 68.7 | 71.5 | 69.3 | 64.0 | 70.5 | 67.3 | 73.1 | 73.2 | 72.2 | 73.9 | 75.0 | 69.6 | 69.9 | | | |
| (731.52 M) | 80 | 54.3 | 58.0 | 61.6 | 60.4 | 62.9 | 62.4 | 63.9 | 65.7 | 65.9 | 65.7 | 67.1 | 69.3 | 69.6 | 68.0 | | | |
| NFA 0, RPM | 100 | 55.3 | 60.1 | 61.7 | 63.4 | 64.1 | 63.6 | 63.9 | 66.4 | 66.7 | 68.7 | 69.0 | 69.4 | 67.8 | 66.2 | | | |
| (0, RAD/SEC) | 125 | 62.0 | 64.4 | 67.2 | 67.5 | 68.1 | 70.4 | 67.8 | 69.6 | 70.2 | 69.2 | 68.9 | 69.7 | 67.8 | 63.4 | | | |
| NFK 0, RPM | 160 | 54.2 | 57.3 | 60.2 | 61.2 | 61.9 | 63.1 | 64.9 | 66.1 | 66.1 | 67.3 | 68.4 | 68.1 | 65.4 | 58.6 | | | |
| (0, RAD/SEC) | 200 | 53.0 | 57.4 | 59.0 | 60.3 | 61.4 | 63.3 | 63.9 | 65.3 | 65.4 | 66.5 | 67.2 | 66.6 | 62.1 | 55.5 | | | |
| NFD 0, RPM | 250 | 53.5 | 55.8 | 56.7 | 60.5 | 61.6 | 62.5 | 63.0 | 64.9 | 64.4 | 65.0 | 66.1 | 65.9 | 60.0 | 52.6 | | | |
| (0, RAD/SEC) | 315 | 51.5 | 55.2 | 57.2 | 58.1 | 59.5 | 60.8 | 61.8 | 63.3 | 64.0 | 64.7 | 63.9 | 63.8 | 57.1 | 49.1 | | | |
| AIRFLOW RATIO | 400 | 49.7 | 53.6 | 55.9 | 58.1 | 58.8 | 60.0 | 60.6 | 62.3 | 62.7 | 63.7 | 63.0 | 62.1 | 55.0 | 47.2 | | | |
| WF/WM 8.00 | 500 | 49.0 | 52.9 | 54.7 | 56.6 | 58.3 | 60.2 | 59.9 | 61.3 | 62.2 | 62.9 | 62.2 | 59.5 | 52.3 | 44.6 | | | |
| | 630 | 47.4 | 51.8 | 54.5 | 56.6 | 57.7 | 59.3 | 59.4 | 61.5 | 62.0 | 62.5 | 61.6 | 58.5 | 50.7 | 43.2 | | | |
| | 800 | 45.3 | 51.6 | 53.5 | 56.1 | 57.6 | 59.2 | 58.6 | 60.6 | 60.5 | 60.7 | 59.9 | 56.2 | 49.2 | 42.0 | | | |
| VEHICLE JENOTS | 1000 | 43.1 | 50.4 | 52.8 | 55.1 | 57.7 | 58.6 | 58.1 | 59.9 | 59.4 | 60.3 | 58.2 | 54.3 | 47.2 | 38.9 | | | |
| CONFIG JE-063 | 1250 | 40.9 | 49.0 | 52.4 | 54.9 | 56.5 | 57.5 | 57.1 | 58.7 | 58.6 | 58.3 | 57.0 | 51.3 | 45.3 | 37.0 | | | |
| LOC EVENDALE | 1600 | 36.9 | 45.9 | 50.0 | 52.6 | 55.0 | 55.9 | 55.7 | 56.1 | 56.3 | 57.0 | 54.5 | 49.2 | 41.7 | 31.7 | | | |
| DATE 05-09-75 | 2000 | 31.4 | 42.1 | 45.9 | 48.7 | 52.0 | 53.0 | 52.8 | 53.3 | 53.4 | 52.9 | 51.6 | 46.4 | 37.4 | 25.2 | | | |
| RUN DBTF-MODEL 9 | 2500 | 23.9 | 36.1 | 41.5 | 44.0 | 46.9 | 47.7 | 48.3 | 49.3 | 48.8 | 47.7 | 44.9 | 39.0 | 30.1 | 15.8 | | | |
| TAPE X20430 | 3150 | 14.9 | 27.9 | 34.0 | 37.6 | 40.0 | 41.8 | 42.3 | 43.2 | 41.7 | 40.6 | 36.3 | 30.6 | 20.2 | 3.0 | | | |
| FAN TIP SPEED | 4000 | 2.8 | 16.8 | 23.8 | 28.1 | 31.1 | 34.4 | 35.4 | 35.2 | 32.5 | 32.6 | 26.1 | 19.3 | 7.7 | | | | |
| FT/SEC | 5000 | | 11.3 | 18.3 | 22.6 | 27.4 | 28.2 | 29.8 | 29.0 | 26.7 | 27.5 | 18.9 | 13.6 | 1.8 | | | | |
| | 6300 | | | 7.4 | 5.0 | 19.1 | 21.0 | 22.7 | 21.5 | 16.6 | 20.2 | 9.0 | 2.5 | | | | | |
| | 8000 | | | | | 8.1 | 10.0 | 12.1 | 11.3 | 5.2 | 8.8 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 70.1 | 71.7 | 74.4 | 73.9 | 76.1 | 75.2 | 77.9 | 78.1 | 78.3 | 78.7 | 79.5 | 76.9 | 74.6 | | | | |
| PND8 | | 66.1 | 70.6 | 73.8 | 76.7 | 78.3 | 78.0 | 79.5 | 79.6 | 80.1 | 79.5 | 78.3 | 73.5 | 68.0 | | | | |

EXTRA
(DO NOT USE)

1182

922

| | | PROC. DATE - MONTH 19 DAY 0 HR, 0.8 | | | | | | | | | | | | | | | | P4L | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|------|-------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| SPL INPUT AT STD | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | | FREQ. | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 |
| NO EGA | | | 85.2 | 88.3 | 86.8 | 90.8 | 88.2 | 91.1 | 99.5 | 93.7 | 88.7 | 88.9 | 91.0 | 100.1 | 99.6 | 102.6 | | | | 153.9 |
| RDG. NO. 01 | | | 81.1 | 81.2 | 82.2 | 81.2 | 82.5 | 82.3 | 84.1 | 85.9 | 87.7 | 89.5 | 93.2 | 98.1 | 100.2 | 101.8 | | | | 154.4 |
| RADIAL 320. FT. | | | 80.0 | 82.2 | 81.9 | 82.3 | 82.3 | 82.3 | 83.4 | 86.9 | 88.8 | 91.0 | 93.7 | 96.0 | 96.0 | 100.2 | | | | 151.7 |
| (98. M) | | | 81.8 | 82.9 | 84.5 | 83.7 | 83.3 | 84.2 | 84.2 | 86.8 | 88.6 | 91.6 | 93.7 | 97.7 | 96.4 | 95.4 | | | | 150.1 |
| VEHICLE JENOTS | | | 80.5 | 81.2 | 82.6 | 81.3 | 81.5 | 83.2 | 84.9 | 86.4 | 88.2 | 91.1 | 94.3 | 95.7 | 94.9 | 91.4 | | | | 150.0 |
| CONFIG JE-063 | | | 78.8 | 81.0 | 80.9 | 81.0 | 81.8 | 83.5 | 84.3 | 86.2 | 87.3 | 90.3 | 93.1 | 93.5 | 91.6 | 88.7 | | | | 148.9 |
| LOC EVENDALE | | | 78.8 | 79.1 | 78.8 | 81.2 | 82.2 | 82.6 | 83.5 | 85.6 | 87.0 | 89.6 | 91.9 | 92.5 | 89.1 | 86.3 | | | | 147.3 |
| DATE 05-09-75 | | | 77.6 | 78.8 | 79.0 | 78.7 | 79.9 | 80.9 | 82.2 | 84.9 | 86.8 | 88.8 | 90.0 | 90.9 | 86.2 | 83.3 | | | | 146.3 |
| RUN DBTF-MODEL 9 | | | 76.8 | 77.4 | 78.3 | 79.0 | 79.6 | 80.6 | 81.3 | 83.9 | 85.3 | 88.1 | 89.2 | 88.9 | 85.3 | 81.4 | | | | 144.9 |
| TAPE X90460 | | | 75.0 | 76.0 | 76.8 | 77.4 | 78.4 | 79.6 | 80.7 | 82.8 | 85.3 | 87.2 | 87.1 | 85.9 | 82.3 | 78.1 | | | | 143.9 |
| BAR 29.4 HG | | | 74.5 | 75.3 | 75.9 | 76.9 | 77.8 | 79.1 | 79.8 | 82.6 | 83.9 | 86.0 | 84.4 | 79.6 | 76.4 | | | | | 142.4 |
| (99313, N/M2) | | | 73.6 | 75.7 | 75.9 | 76.2 | 77.8 | 78.6 | 79.3 | 81.5 | 82.7 | 84.3 | 84.5 | 82.6 | 78.2 | 75.2 | | | | 141.4 |
| TAMB 79, DEG F | | | 73.2 | 75.8 | 75.8 | 76.5 | 77.8 | 78.3 | 78.7 | 80.9 | 81.8 | 83.7 | 82.2 | 80.7 | 76.9 | 74.6 | | | | 140.2 |
| (299, DEG K) | | | 72.0 | 74.4 | 75.4 | 76.2 | 76.9 | 77.9 | 77.7 | 79.8 | 81.1 | 81.6 | 81.1 | 78.5 | 75.2 | 73.3 | | | | 139.4 |
| THET 61, DEG F | | | 68.7 | 73.3 | 74.4 | 74.8 | 76.2 | 77.2 | 77.0 | 78.6 | 79.1 | 80.1 | 79.3 | 76.5 | 73.7 | 71.9 | | | | 138.3 |
| (289, DEG K) | | | 66.3 | 70.9 | 71.9 | 72.7 | 74.1 | 74.9 | 75.0 | 76.7 | 76.8 | 77.4 | 76.8 | 74.9 | 71.9 | 70.0 | | | | 137.1 |
| HACT 0, GM/H3 | | | 63.3 | 67.8 | 69.0 | 69.8 | 70.3 | 71.5 | 72.2 | 73.9 | 74.6 | 74.8 | 73.5 | 72.7 | 71.0 | 68.8 | | | | 135.1 |
| (, KG/H3) | | | 59.6 | 65.0 | 65.8 | 67.1 | 67.9 | 68.6 | 69.8 | 70.8 | 70.8 | 71.6 | 69.8 | 72.2 | 72.3 | 69.5 | | | | 132.6 |
| FREQ. SHIFT | | | 55.8 | 60.1 | 61.1 | 63.3 | 64.4 | 66.2 | 67.3 | 67.7 | 66.4 | 69.3 | 66.2 | 72.6 | 72.6 | 69.0 | | | | 130.5 |
| JET 9 | | | 55.3 | 57.8 | 58.0 | 64.6 | 64.6 | 63.9 | 65.4 | 65.0 | 64.2 | 69.2 | 63.7 | 73.3 | 74.0 | 71.3 | | | | 129.1 |
| DIAMETER RATIO | | | 56.9 | 56.4 | 56.1 | 64.4 | 65.9 | 65.2 | 66.9 | 66.1 | 63.1 | 71.8 | 64.8 | 76.5 | 76.6 | 74.4 | | | | 129.4 |
| DF/DH 8.00 | | | 58.9 | 57.1 | 56.3 | 68.0 | 68.6 | 67.3 | 68.8 | 68.6 | 64.8 | 74.7 | 66.5 | 79.5 | 79.4 | 77.0 | | | | 132.9 |
| 10000 | | | 60.7 | 57.8 | 56.8 | 68.4 | 70.6 | 69.7 | 71.3 | 70.7 | 66.9 | 76.9 | 68.9 | 80.9 | 80.9 | 79.1 | | | | 137.5 |
| OVERALL CALCULATED | | | 93.7 | 93.0 | 93.3 | 94.6 | 94.2 | 95.6 | 101.1 | 98.7 | 98.8 | 101.2 | 103.0 | 106.7 | 107.3 | 108.4 | | | | 141.9 |
| PNDB | | | 96.1 | 97.1 | 97.8 | 99.1 | 100.0 | 100.8 | 103.5 | 103.2 | 103.9 | 106.3 | 106.9 | 109.1 | 107.9 | 107.6 | | | | 160.7 |

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ORIGINAL PAGE IS
 OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30' | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' | 160' | 0' | 0' | 0' |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-----|-----|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0) | (0) | (0) |
| NO EGA | 50 | 61.3 | 60.1 | 64.0 | 66.0 | 66.9 | 67.9 | 74.9 | 72.5 | 72.6 | 74.6 | 73.5 | 78.2 | 79.1 | 75.3 | | |
| SIDELINE 2400 FT. | 63 | 66.6 | 66.7 | 66.7 | 71.8 | 70.0 | 73.3 | 81.8 | 75.9 | 70.4 | 70.0 | 70.9 | 78.5 | 75.6 | 75.1 | | |
| (731.52 M) | 80 | 57.0 | 59.5 | 62.1 | 62.2 | 64.2 | 64.4 | 66.4 | 68.0 | 69.4 | 70.4 | 73.1 | 76.3 | 76.1 | 74.2 | | |
| NFA | 100 | 55.8 | 60.3 | 61.7 | 63.2 | 63.9 | 64.3 | 65.6 | 68.9 | 69.7 | 71.9 | 73.5 | 74.2 | 71.8 | 72.4 | | |
| (0, RAD/SEC) | 125 | 57.5 | 60.9 | 64.2 | 64.5 | 64.8 | 66.2 | 66.3 | 68.8 | 70.2 | 72.4 | 73.4 | 75.7 | 72.0 | 67.4 | | |
| NFK | 160 | 55.9 | 59.1 | 62.1 | 62.0 | 62.9 | 65.1 | 66.9 | 68.3 | 69.6 | 71.8 | 73.9 | 73.6 | 70.4 | 63.1 | | |
| (0, RPM) | 200 | 54.0 | 58.7 | 60.3 | 61.5 | 63.1 | 65.3 | 66.2 | 68.0 | 68.6 | 70.8 | 72.5 | 71.1 | 66.8 | 60.0 | | |
| (0, RAD/SEC) | 250 | 53.7 | 56.5 | 58.0 | 61.5 | 63.4 | 64.2 | 65.3 | 67.2 | 68.1 | 70.0 | 71.1 | 69.9 | 64.0 | 57.1 | | |
| NFD | 315 | 52.0 | 55.9 | 57.9 | 58.9 | 60.8 | 62.3 | 63.8 | 66.3 | 67.7 | 69.0 | 68.9 | 68.1 | 60.6 | 53.4 | | |
| (0, RAD/SEC) | 400 | 50.7 | 54.1 | 56.9 | 58.8 | 60.3 | 61.8 | 62.6 | 65.1 | 66.0 | 68.0 | 67.8 | 65.6 | 59.2 | 50.7 | | |
| AIRFLOW RATIO | 500 | 48.2 | 52.2 | 54.9 | 56.8 | 58.8 | 60.5 | 61.7 | 63.6 | 65.6 | 66.7 | 65.3 | 62.0 | 55.5 | 46.4 | | |
| WF/WM 8.00 | 630 | 46.9 | 50.9 | 53.5 | 55.9 | 57.8 | 59.6 | 60.4 | 63.0 | 63.8 | 65.1 | 63.6 | 60.0 | 51.9 | 43.4 | | |
| VEHICLE JENOTS | 800 | 44.9 | 50.4 | 52.8 | 54.6 | 57.1 | 58.5 | 59.3 | 61.4 | 62.0 | 62.7 | 61.4 | 57.2 | 49.4 | 40.6 | | |
| CONFIG JE-063 | 1000 | 43.1 | 49.4 | 51.8 | 54.2 | 56.4 | 57.6 | 58.2 | 60.2 | 60.4 | 61.3 | 58.2 | 54.4 | 46.8 | 38.0 | | |
| LOC EVENDALE | 1250 | 40.2 | 46.8 | 50.4 | 53.0 | 54.8 | 56.3 | 56.4 | 58.2 | 58.9 | 58.4 | 56.1 | 50.8 | 43.4 | 34.1 | | |
| DATE 05-09-75 | 1600 | 34.5 | 43.8 | 47.8 | 50.2 | 52.8 | 54.5 | 54.5 | 55.9 | 55.7 | 55.5 | 52.8 | 47.0 | 39.5 | 29.0 | | |
| RUN DBTE-MODEL 9 | 2000 | 29.2 | 39.2 | 43.5 | 46.5 | 49.3 | 50.8 | 51.2 | 52.7 | 51.9 | 51.2 | 48.5 | 43.2 | 34.7 | 22.8 | | |
| TAPE X20460 | 2500 | 22.0 | 32.9 | 38.0 | 41.3 | 43.4 | 45.5 | 46.4 | 47.9 | 47.6 | 46.3 | 42.5 | 37.8 | 29.7 | 15.4 | | |
| FAN TIP SPEED | 3150 | 11.5 | 25.0 | 30.5 | 35.0 | 37.6 | 39.4 | 40.9 | 41.6 | 40.9 | 39.4 | 34.6 | 32.2 | 24.2 | 16.0 | | |
| FT/SEC | 4000 | | 12.4 | 19.6 | 25.6 | 29.1 | 32.2 | 33.7 | 33.7 | 31.1 | 31.6 | 24.7 | 24.9 | 18.5 | 11.1 | | |
| | 5000 | | 5.6 | 12.8 | 23.7 | 26.4 | 27.2 | 29.1 | 28.3 | 25.9 | 28.3 | 18.4 | 21.1 | 10.0 | | | |
| | 6300 | | | 0.1 | 14.1 | 19.1 | 20.3 | 22.6 | 21.2 | 16.3 | 21.5 | 8.7 | 11.2 | | | | |
| | 8000 | | | | 3.3 | 8.6 | 10.0 | 12.3 | 11.3 | 4.9 | 10.0 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 69.4 | 70.8 | 72.7 | 75.2 | 75.4 | 77.3 | 83.3 | 80.5 | 80.0 | 81.7 | 82.5 | 84.8 | 83.2 | 80.8 | | |
| PND8 | | 65.2 | 69.6 | 72.6 | 74.8 | 76.6 | 78.1 | 81.9 | 81.3 | 81.9 | 83.2 | 83.4 | 82.9 | 78.1 | 74.0 | | |

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| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 85.4 | 81.2 | 83.6 | 87.7 | 89.2 | 88.2 | 90.6 | 94.1 | 94.6 | 97.1 | 98.8 | 104.5 | 106.7 | 105.4 | | | 157.6 |
| RDG. NO. 01 | 63 | 86.1 | 85.3 | 85.8 | 83.5 | 84.5 | 85.4 | 89.0 | 89.5 | 90.7 | 91.9 | 95.5 | 102.9 | 104.8 | 101.1 | | | 155.0 |
| RADIAL 320, FT. | 80 | 86.3 | 85.2 | 86.7 | 85.2 | 86.7 | 87.3 | 88.9 | 90.9 | 92.4 | 94.0 | 98.7 | 104.3 | 105.7 | 105.8 | | | 156.9 |
| (98, M) | 100 | 85.0 | 85.2 | 85.4 | 85.3 | 85.8 | 85.8 | 87.2 | 90.4 | 92.3 | 95.5 | 98.2 | 102.0 | 102.2 | 106.2 | | | 155.6 |
| VEHICLE JENOTS | 125 | 85.8 | 84.4 | 86.3 | 85.9 | 86.0 | 87.4 | 88.7 | 90.6 | 93.1 | 96.3 | 99.5 | 102.7 | 102.9 | 102.9 | | | 155.4 |
| CONFIO JE-063 | 160 | 84.8 | 85.2 | 86.6 | 85.6 | 86.2 | 86.9 | 89.4 | 91.7 | 92.7 | 96.1 | 99.6 | 101.5 | 101.9 | 99.7 | | | 154.6 |
| LOC EVENDALE | 200 | 83.3 | 85.2 | 84.2 | 85.2 | 85.8 | 87.7 | 88.8 | 91.0 | 92.6 | 95.0 | 98.3 | 99.0 | 98.4 | 97.5 | | | 152.8 |
| DATE 05-09-75 | 250 | 83.6 | 83.6 | 83.0 | 85.9 | 86.7 | 87.6 | 88.3 | 90.6 | 92.5 | 94.9 | 97.2 | 97.0 | 95.9 | 96.0 | | | 151.7 |
| RUN DBTF-MODEL 9 | 315 | 82.3 | 83.3 | 83.5 | 83.5 | 84.9 | 85.7 | 87.2 | 90.2 | 92.0 | 94.3 | 95.0 | 96.2 | 93.4 | 93.0 | | | 150.4 |
| TAPE X90490 | 400 | 80.6 | 81.7 | 81.8 | 83.2 | 83.6 | 85.4 | 86.5 | 88.9 | 90.6 | 93.9 | 94.2 | 94.4 | 92.6 | 90.4 | | | 149.3 |
| BAR 29.4 HG | 500 | 78.2 | 80.0 | 80.3 | 81.6 | 82.9 | 84.4 | 85.7 | 88.0 | 90.3 | 92.7 | 92.1 | 91.3 | 88.3 | 86.3 | | | 147.6 |
| (99246, N/M2) | 630 | 77.8 | 78.8 | 79.4 | 80.1 | 81.6 | 83.4 | 84.6 | 87.6 | 89.6 | 91.5 | 91.2 | 89.4 | 85.5 | 82.6 | | | 146.5 |
| TAMB 79, DEG F | 800 | 76.6 | 78.7 | 78.6 | 79.7 | 81.2 | 82.8 | 83.7 | 86.2 | 88.4 | 89.8 | 89.2 | 87.3 | 82.4 | 79.4 | | | 145.0 |
| (299, DEG K) | 1000 | 75.7 | 78.0 | 78.5 | 79.2 | 80.2 | 81.8 | 82.5 | 85.2 | 87.0 | 88.4 | 87.1 | 84.9 | 80.6 | 77.9 | | | 143.6 |
| TWET 61, DEG F | 1250 | 74.4 | 77.4 | 77.6 | 78.2 | 79.4 | 80.5 | 81.7 | 84.5 | 86.1 | 86.8 | 86.1 | 82.7 | 78.9 | 76.2 | | | 142.6 |
| (289, DEG K) | 1600 | 72.6 | 75.2 | 76.0 | 76.5 | 77.6 | 79.1 | 80.4 | 82.3 | 83.7 | 85.3 | 83.5 | 80.7 | 76.4 | 74.3 | | | 140.8 |
| HAGT 0, GH/M3 | 2000 | 70.1 | 72.5 | 72.8 | 73.6 | 76.1 | 77.0 | 78.4 | 80.4 | 81.7 | 82.6 | 80.7 | 78.5 | 75.1 | 71.9 | | | 138.7 |
| (, KG/M3) | 2500 | 66.0 | 69.2 | 69.7 | 70.5 | 71.8 | 73.5 | 75.3 | 77.1 | 79.2 | 79.5 | 78.1 | 75.6 | 72.2 | 69.7 | | | 136.0 |
| FREQ. SHIFT | 3150 | 63.7 | 66.4 | 66.9 | 67.3 | 68.3 | 70.1 | 72.0 | 73.5 | 75.5 | 77.3 | 74.0 | 73.9 | 73.0 | 70.2 | | | 133.5 |
| JET 9 | 4000 | 61.2 | 63.0 | 62.8 | 63.8 | 65.1 | 66.9 | 68.5 | 69.9 | 70.3 | 71.8 | 71.9 | 73.3 | 73.1 | 70.2 | | | 131.9 |
| DIAMETER RATIO | 5000 | 61.8 | 63.0 | 62.0 | 63.3 | 64.6 | 64.2 | 66.1 | 66.3 | 66.6 | 76.7 | 71.4 | 74.6 | 74.5 | 72.0 | | | 132.3 |
| DF/DH 8.00 | 6300 | 64.5 | 64.4 | 62.4 | 64.7 | 66.1 | 65.4 | 66.9 | 67.1 | 64.1 | 78.8 | 74.0 | 77.5 | 77.3 | 74.7 | | | 135.7 |
| OVERALL CALCULATED | 8000 | 66.7 | 66.4 | 64.8 | 67.1 | 69.1 | 67.4 | 69.1 | 69.4 | 65.6 | 82.3 | 76.6 | 80.3 | 80.0 | 77.0 | | | 140.5 |
| PND8 | 10000 | 69.0 | 67.6 | 66.4 | 69.0 | 71.2 | 69.8 | 71.4 | 71.6 | 67.0 | 84.7 | 79.0 | 82.3 | 81.8 | 79.0 | | | 145.3 |
| | | 95.0 | 94.9 | 96.3 | 96.0 | 97.0 | 97.8 | 99.4 | 101.8 | 103.4 | 105.9 | 108.2 | 111.7 | 112.6 | 112.3 | | | 165.0 |
| | | 99.5 | 100.3 | 100.7 | 101.5 | 102.6 | 103.6 | 104.9 | 107.1 | 108.6 | 111.9 | 112.2 | 113.5 | 112.8 | 112.6 | | | |

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ORIGINAL PAGE IS
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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 61.6 | 59.6 | 69.5 | 68.7 | 71.0 | 70.4 | 72.9 | 76.3 | 76.4 | 78.1 | 78.7 | 83.0 | 82.9 | 78.1 | | | |
| SIDELINE 2400. FT. | 63 | 62.1 | 63.7 | 65.7 | 64.5 | 66.2 | 67.5 | 71.3 | 71.6 | 72.4 | 73.0 | 75.4 | 81.2 | 80.9 | 73.6 | | | |
| (731.52 M) | 80 | 62.3 | 63.5 | 66.6 | 66.2 | 68.4 | 69.4 | 71.1 | 73.0 | 74.1 | 74.9 | 78.6 | 82.6 | 81.6 | 78.2 | | | |
| NFA 0. RPM | 100 | 60.8 | 63.3 | 65.2 | 66.2 | 67.4 | 67.8 | 69.4 | 72.4 | 73.9 | 76.4 | 78.0 | 80.2 | 78.0 | 78.4 | | | |
| (0. RAD/SEC) | 125 | 61.5 | 62.4 | 65.9 | 66.7 | 67.6 | 69.4 | 70.8 | 72.6 | 74.7 | 77.2 | 79.1 | 80.7 | 78.5 | 74.9 | | | |
| NFK 0. RPM | 160 | 60.2 | 63.1 | 66.2 | 66.2 | 67.7 | 68.8 | 71.4 | 73.6 | 74.1 | 76.8 | 79.1 | 79.4 | 77.4 | 71.3 | | | |
| (0. RAD/SEC) | 200 | 58.5 | 62.9 | 63.5 | 65.8 | 67.1 | 69.5 | 70.7 | 72.8 | 73.9 | 75.9 | 77.7 | 76.6 | 73.6 | 68.7 | | | |
| NFD 0. RPM | 250 | 58.5 | 61.0 | 62.2 | 66.3 | 67.9 | 69.2 | 70.0 | 72.2 | 73.6 | 75.3 | 76.3 | 74.4 | 70.7 | 66.8 | | | |
| (0. RAD/SEC) | 315 | 56.7 | 60.4 | 62.4 | 63.6 | 65.8 | 67.1 | 68.8 | 71.6 | 73.0 | 74.5 | 73.9 | 73.3 | 67.9 | 63.1 | | | |
| AIRFLOW RATIO | 400 | 54.5 | 58.4 | 60.4 | 63.1 | 64.3 | 66.5 | 67.8 | 70.0 | 71.2 | 73.7 | 72.8 | 71.1 | 66.5 | 59.7 | | | |
| WF/WM 8.00 | 500 | 51.5 | 56.2 | 58.4 | 61.1 | 63.3 | 65.2 | 66.7 | 68.8 | 70.7 | 72.2 | 70.2 | 67.5 | 61.6 | 54.6 | | | |
| | 630 | 50.2 | 54.3 | 57.0 | 59.1 | 61.5 | 63.8 | 65.2 | 68.0 | 69.5 | 70.5 | 68.9 | 65.0 | 57.9 | 49.7 | | | |
| | 800 | 47.8 | 53.3 | 55.5 | 58.1 | 60.6 | 62.7 | 63.8 | 66.1 | 67.7 | 68.2 | 66.1 | 62.0 | 53.7 | 44.8 | | | |
| VEHICLE JENOTS | 1000 | 45.6 | 51.6 | 54.6 | 56.9 | 58.9 | 61.1 | 61.9 | 64.4 | 65.6 | 66.0 | 63.2 | 58.6 | 50.5 | 41.2 | | | |
| CONFIG JE-063 | 1250 | 42.6 | 49.7 | 52.6 | 54.9 | 57.2 | 59.0 | 60.3 | 62.9 | 63.9 | 63.5 | 61.0 | 55.0 | 47.1 | 37.0 | | | |
| LOC EVENDALE | 1600 | 38.4 | 45.7 | 49.5 | 51.9 | 54.3 | 56.4 | 58.0 | 59.6 | 60.3 | 60.7 | 56.9 | 51.2 | 42.2 | 31.5 | | | |
| DATE 05-09-75 | 2000 | 33.0 | 40.8 | 44.4 | 47.4 | 51.3 | 53.0 | 54.6 | 56.3 | 56.9 | 56.4 | 52.4 | 46.8 | 38.0 | 24.7 | | | |
| RUN DBTE-MODEL 9 | 2500 | 24.6 | 34.3 | 38.7 | 42.0 | 44.9 | 47.4 | 49.6 | 51.1 | 52.3 | 51.0 | 47.2 | 40.7 | 30.9 | 16.3 | | | |
| TAPE X90490 | 3150 | 15.7 | 26.4 | 31.7 | 35.1 | 38.0 | 40.8 | 43.1 | 44.2 | 45.2 | 45.1 | 38.8 | 33.9 | 24.9 | 6.7 | | | |
| FAN TIP SPEED | 4000 | 3.1 | 15.3 | 21.3 | 26.1 | 29.8 | 32.9 | 34.9 | 35.9 | 35.0 | 38.1 | 30.4 | 25.6 | 14.9 | | | | |
| FT/SEC | 5000 | | 10.8 | 16.8 | 22.4 | 26.4 | 27.4 | 29.8 | 29.5 | 28.4 | 35.8 | 26.2 | 22.4 | 10.5 | | | | |
| | 6300 | | | 6.4 | 14.4 | 19.3 | 20.5 | 22.7 | 22.2 | 17.3 | 28.5 | 18.0 | 12.2 | | | | | |
| | 8000 | | | | 2.3 | 9.1 | 10.0 | 12.6 | 12.1 | 5.7 | 17.5 | 4.0 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 70.4 | 72.5 | 75.7 | 76.4 | 78.1 | 79.3 | 81.1 | 83.4 | 84.5 | 86.3 | 87.6 | 89.7 | 88.4 | 84.5 | | | |
| PND8 | | 69.1 | 73.2 | 75.9 | 78.3 | 80.3 | 82.0 | 83.5 | 85.8 | 87.1 | 88.7 | 88.8 | 88.4 | 85.0 | 81.0 | | | |

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| | | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | | 0, 0, 0, P/L | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|--------------|--|-------|
| SPL INPUT AT STD | | 30, | 40, | 50, | 60, | 70, | 80, | 90, | 100, | 110, | 120, | 130, | 140, | 150, | 160, | 0, | 0, | 0, | | |
| REV. ALPHA 12/73 | | ERFQ, (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0, | (0, | (0, | | |
| NO EGA | | 50 | 82.7 | 61.0 | 85.3 | 83.4 | 84.7 | 85.0 | 86.8 | 89.6 | 91.3 | 95.3 | 95.5 | 101.3 | 104.2 | 102.9 | | | | 154.7 |
| RDG. NO. 01 | | 63 | 84.6 | 64.8 | 86.1 | 84.0 | 85.2 | 85.6 | 88.5 | 89.2 | 89.9 | 92.4 | 95.2 | 101.9 | 104.3 | 100.8 | | | | 154.4 |
| RADIAL 320, FT. - | | 80 | 85.6 | 66.0 | 87.7 | 85.5 | 87.7 | 87.5 | 89.4 | 89.9 | 92.4 | 93.7 | 97.7 | 102.6 | 104.7 | 104.6 | | | | 155.7 |
| (98, M) | | 100 | 84.2 | 65.2 | 85.1 | 85.5 | 86.0 | 85.3 | 86.7 | 89.6 | 91.3 | 95.3 | 97.5 | 100.8 | 101.0 | 103.0 | | | | 154.0 |
| VEHICLE JENOTS | | 125 | 85.8 | 64.6 | 86.8 | 85.7 | 85.8 | 86.9 | 88.7 | 90.3 | 92.4 | 95.3 | 97.7 | 100.7 | 98.6 | 97.2 | | | | 153.0 |
| CONFIG JE-063 | | 160 | 84.2 | 64.9 | 86.1 | 84.8 | 85.5 | 86.4 | 88.7 | 90.2 | 91.4 | 95.1 | 98.6 | 100.0 | 96.9 | 94.7 | | | | 152.5 |
| LOC EVENDALE | | 200 | 81.8 | 64.0 | 84.4 | 84.7 | 85.6 | 87.2 | 88.0 | 89.7 | 91.1 | 93.8 | 96.8 | 97.0 | 94.4 | 91.5 | | | | 150.7 |
| DATE 05-09-75 | | 250 | 82.6 | 61.8 | 82.8 | 85.2 | 86.0 | 86.4 | 87.0 | 89.3 | 90.7 | 93.1 | 95.2 | 95.3 | 92.1 | 90.5 | | | | 149.6 |
| RUN DBTF-MODEL 9 | | 315 | 81.1 | 61.8 | 82.5 | 82.2 | 83.4 | 84.4 | 86.0 | 88.4 | 90.1 | 91.8 | 93.3 | 93.4 | 89.2 | 87.3 | | | | 148.0 |
| TAPE X90510 | | 400 | 79.3 | 60.7 | 82.1 | 82.5 | 82.6 | 84.4 | 85.1 | 87.7 | 89.1 | 91.4 | 92.2 | 90.9 | 86.8 | 84.9 | | | | 146.9 |
| BAR 29.4 HG | | 500 | 78.0 | 59.5 | 80.8 | 81.4 | 82.2 | 83.4 | 84.7 | 86.5 | 87.9 | 90.5 | 89.9 | 87.6 | 84.3 | 81.6 | | | | 145.3 |
| (99313, N/M2) | | 630 | 77.3 | 59.1 | 80.9 | 81.4 | 81.8 | 83.1 | 84.6 | 86.8 | 88.6 | 90.5 | 89.3 | 86.9 | 81.6 | 80.1 | | | | 145.3 |
| TAMB 75, DEG F | | 800 | 76.4 | 59.7 | 80.9 | 82.0 | 82.5 | 83.8 | 84.8 | 87.0 | 88.4 | 90.3 | 89.0 | 86.1 | 81.7 | 79.2 | | | | 145.2 |
| (297, DEG K) | | 1000 | 75.7 | 59.8 | 82.0 | 82.3 | 82.8 | 84.1 | 84.5 | 86.2 | 88.5 | 89.9 | 89.2 | 85.2 | 80.9 | 78.9 | | | | 145.2 |
| THET 60, DEG F | | 1250 | 74.0 | 59.4 | 81.4 | 82.2 | 82.7 | 83.9 | 83.7 | 86.3 | 86.9 | 88.4 | 88.1 | 84.0 | 80.7 | 79.0 | | | | 144.4 |
| (289, DEG K) | | 1600 | 72.5 | 58.0 | 81.1 | 81.1 | 82.2 | 83.0 | 83.5 | 84.9 | 85.3 | 87.6 | 86.1 | 82.3 | 79.5 | 77.6 | | | | 143.5 |
| HACT 0, G4/M3 | | 2000 | 69.6 | 56.1 | 78.8 | 79.4 | 80.6 | 81.4 | 81.5 | 83.2 | 84.3 | 86.2 | 83.3 | 79.4 | 77.4 | 76.0 | | | | 141.9 |
| (KG/M3) | | 2500 | 67.3 | 54.3 | 77.5 | 77.6 | 78.1 | 78.3 | 79.2 | 80.7 | 81.8 | 83.8 | 80.7 | 77.0 | 75.0 | 73.8 | | | | 139.8 |
| FREQ. SHIFT | | 3150 | 63.8 | 53.0 | 75.5 | 75.9 | 75.4 | 75.9 | 76.5 | 78.3 | 79.3 | 84.1 | 77.3 | 75.2 | 74.3 | 72.8 | | | | 138.6 |
| JFT 9 | | 4000 | 59.8 | 51.6 | 75.4 | 71.3 | 70.6 | 73.2 | 73.8 | 75.0 | 74.9 | 82.8 | 75.0 | 74.3 | 74.1 | 71.0 | | | | 137.1 |
| DIAMETER RATIO | | 5000 | 60.6 | 49.3 | 75.5 | 74.6 | 70.4 | 68.9 | 70.1 | 72.3 | 71.7 | 84.0 | 73.2 | 74.8 | 75.0 | 72.3 | | | | 137.6 |
| DP/DH 8.00 | | 6300 | 58.9 | 51.1 | 76.6 | 74.2 | 70.1 | 67.2 | 68.9 | 70.6 | 68.1 | 85.0 | 74.8 | 77.7 | 77.3 | 74.9 | | | | 139.7 |
| OVERALL CALCULATED | | 8000 | 61.2 | 48.6 | 74.0 | 71.0 | 71.6 | 68.6 | 69.5 | 75.1 | 67.3 | 84.2 | 76.8 | 80.2 | 79.7 | 77.0 | | | | 141.8 |
| PNDB | | 10000 | 60.9 | 50.3 | 74.1 | 73.4 | 71.6 | 69.7 | 71.5 | 73.7 | 67.6 | 87.4 | 78.9 | 82.7 | 81.4 | 79.1 | | | | 146.8 |
| | | | 94.1 | 74.9 | 96.5 | 96.0 | 96.8 | 97.5 | 98.9 | 100.8 | 102.3 | 105.2 | 106.9 | 109.8 | 110.6 | 109.6 | | | | 163.4 |
| | | | 98.3 | 81.6 | 104.8 | 104.5 | 104.9 | 105.9 | 106.3 | 108.2 | 109.1 | 113.2 | 111.7 | 112.2 | 111.2 | 110.2 | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. ALPHA 12/73 FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 58.8 | 39.4 | 65.3 | 64.5 | 66.4 | 67.2 | 69.2 | 71.8 | 73.1 | 76.4 | 75.5 | 79.7 | 80.4 | 75.6 | | |
| SIDELINE 2400. FT. | 63 | 60.6 | 43.2 | 66.0 | 65.0 | 67.0 | 67.8 | 70.8 | 71.4 | 71.7 | 73.5 | 75.1 | 80.2 | 80.4 | 73.4 | | |
| (731.52 M) | 80 | 61.5 | 44.2 | 67.6 | 66.4 | 69.4 | 69.6 | 71.6 | 72.0 | 74.1 | 74.7 | 77.6 | 80.8 | 80.6 | 77.0 | | |
| NFA | 100 | 60.0 | 43.3 | 64.9 | 66.4 | 67.6 | 67.3 | 68.9 | 71.7 | 72.9 | 76.2 | 77.2 | 78.9 | 76.8 | 75.2 | | |
| (0. RPM) | 125 | 61.5 | 42.7 | 66.4 | 66.5 | 67.3 | 68.9 | 70.8 | 72.3 | 73.9 | 76.2 | 77.4 | 78.7 | 74.3 | 69.2 | | |
| (0. RAD/SEC) | 160 | 59.7 | 42.8 | 65.6 | 65.5 | 66.9 | 68.3 | 70.7 | 72.1 | 72.9 | 75.8 | 78.1 | 77.9 | 72.4 | 66.3 | | |
| NFK | 200 | 57.0 | 41.7 | 63.8 | 65.3 | 66.9 | 69.0 | 69.9 | 71.5 | 72.4 | 74.3 | 76.2 | 74.6 | 69.6 | 62.7 | | |
| (0. RAD/SEC) | 250 | 57.5 | 39.3 | 62.0 | 65.5 | 67.1 | 68.0 | 68.8 | 70.9 | 71.9 | 73.5 | 74.3 | 72.7 | 67.0 | 61.3 | | |
| NFD | 315 | 55.5 | 38.9 | 61.4 | 62.4 | 64.3 | 65.8 | 67.5 | 69.8 | 71.0 | 72.0 | 72.2 | 70.6 | 63.6 | 57.6 | | |
| (0. RAD/SEC) | 400 | 53.2 | 37.4 | 60.6 | 62.3 | 63.3 | 65.5 | 66.4 | 68.8 | 69.8 | 71.2 | 70.8 | 67.6 | 60.7 | 54.2 | | |
| AIRFLOW RATIO | 500 | 51.2 | 35.7 | 58.9 | 60.8 | 62.5 | 64.2 | 65.7 | 67.3 | 68.2 | 69.9 | 68.0 | 63.8 | 57.5 | 49.9 | | |
| WF/WM 8.00 | 630 | 49.7 | 34.6 | 58.5 | 60.4 | 61.8 | 63.6 | 65.2 | 67.3 | 68.5 | 69.6 | 66.9 | 62.5 | 53.9 | 47.2 | | |
| | 800 | 47.6 | 34.4 | 57.8 | 60.4 | 61.8 | 63.7 | 64.8 | 66.9 | 67.8 | 68.7 | 65.9 | 60.7 | 52.9 | 44.6 | | |
| VEHICLE JENOTS | 1000 | 45.6 | 33.4 | 58.1 | 59.9 | 61.4 | 63.3 | 63.9 | 65.4 | 67.2 | 67.5 | 65.2 | 58.9 | 50.8 | 42.2 | | |
| CONFIG JE-063 | 1250 | 42.2 | 31.8 | 56.4 | 59.0 | 60.5 | 62.3 | 62.4 | 64.7 | 64.7 | 65.1 | 63.1 | 56.3 | 48.9 | 39.8 | | |
| LOC EVENDALE | 1600 | 38.2 | 28.5 | 54.6 | 56.5 | 58.8 | 60.3 | 61.0 | 62.2 | 61.9 | 63.0 | 59.5 | 52.8 | 45.2 | 34.8 | | |
| DATE 05-09-75 | 2000 | 32.5 | 24.4 | 50.5 | 53.2 | 55.8 | 57.3 | 57.7 | 59.2 | 59.4 | 60.0 | 55.0 | 47.7 | 40.2 | 28.8 | | |
| RUN DBTF-MODEL 9 | 2500 | 26.0 | 19.4 | 46.5 | 49.1 | 51.2 | 52.3 | 53.4 | 54.7 | 54.9 | 55.3 | 49.7 | 42.1 | 33.7 | 20.4 | | |
| TAPE X90510 | 3150 | 15.8 | 13.0 | 40.3 | 43.7 | 45.1 | 46.7 | 47.6 | 49.1 | 49.0 | 51.9 | 42.1 | 35.2 | 26.2 | 9.3 | | |
| FAN TIP SPEED | 4000 | 1.6 | 3.9 | 33.8 | 33.6 | 35.3 | 39.2 | 40.2 | 41.0 | 39.6 | 45.1 | 33.4 | 26.6 | 16.0 | | | |
| FT/SEC | 5000 | | | 30.3 | 33.7 | 32.2 | 32.2 | 33.8 | 35.5 | 33.4 | 43.1 | 27.9 | 22.6 | 11.0 | | | |
| | 6300 | | | 20.6 | 23.9 | 23.3 | 22.3 | 24.6 | 25.7 | 21.3 | 34.7 | 18.7 | 12.4 | | | | |
| | 8000 | | | 1.5 | 6.3 | 11.6 | 11.2 | 13.0 | 17.8 | 7.4 | 19.5 | 4.2 | | | | | |
| | 10000 | | | | | | | | | | 2.5 | | | | | | |
| OVERALL CALCULATED | | 69.4 | 52.2 | 75.4 | 75.9 | 77.6 | 78.7 | 80.4 | 82.1 | 83.2 | 85.2 | 86.2 | 87.8 | 86.5 | 82.0 | | |
| PND8 | | 68.3 | 50.8 | 77.4 | 79.2 | 81.0 | 82.4 | 83.5 | 85.5 | 86.3 | 88.2 | 87.8 | 86.6 | 82.4 | 77.1 | | |

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ORIGINAL PAGE IS
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MODEL 10

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | | PWL |
|--------------------------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 72.9 | 69.7 | 74.1 | 75.2 | 76.7 | 81.5 | 77.8 | 78.3 | 79.6 | 81.1 | 78.0 | 81.3 | 85.0 | 89.4 | | | 140.7 |
| RDG. NO. 0. | 63 | 70.3 | 72.3 | 76.1 | 76.0 | 78.0 | 79.6 | 79.5 | 79.0 | 80.4 | 80.7 | 83.5 | 88.4 | 84.6 | 89.6 | | | 142.3 |
| RADIAL 320. FT. | 80 | 75.3 | 76.0 | 75.5 | 75.2 | 79.0 | 79.3 | 79.4 | 80.4 | 81.9 | 82.7 | 85.5 | 91.8 | 91.2 | 91.1 | | | 145.0 |
| (98. M) | 100 | 78.2 | 80.4 | 80.1 | 80.8 | 81.0 | 82.8 | 84.7 | 85.9 | 86.3 | 89.0 | 91.0 | 96.3 | 95.2 | 95.7 | | | 149.6 |
| VEHICLE JENOTS | 125 | 79.3 | 79.4 | 82.3 | 79.9 | 80.3 | 83.2 | 84.4 | 85.1 | 88.9 | 91.8 | 91.2 | 91.2 | 91.6 | 88.4 | | | 147.9 |
| CONFIG JE-000 | 160 | 80.5 | 81.7 | 83.6 | 85.5 | 84.0 | 85.7 | 86.7 | 86.9 | 89.4 | 89.9 | 90.3 | 92.2 | 90.4 | 85.4 | | | 148.2 |
| LOC EVENDALE | 200 | 79.8 | 80.0 | 80.4 | 82.2 | 83.1 | 84.2 | 85.0 | 85.2 | 85.1 | 86.7 | 87.3 | 87.9 | 83.9 | 83.2 | | | 145.1 |
| DATE 05-13-75 | 250 | 80.1 | 79.6 | 79.5 | 83.1 | 82.9 | 81.6 | 85.0 | 85.1 | 88.0 | 87.9 | 89.1 | 90.7 | 87.1 | 82.5 | | | 146.3 |
| RUN DBTFMODEL10A | 315 | 80.3 | 79.8 | 82.3 | 81.9 | 83.1 | 83.9 | 84.3 | 85.6 | 86.2 | 88.0 | 89.0 | 87.9 | 84.6 | 80.7 | | | 145.7 |
| TAPE X10010 | 400 | 77.5 | 79.8 | 80.7 | 81.4 | 81.5 | 81.3 | 83.9 | 84.8 | 85.7 | 87.8 | 87.9 | 88.6 | 85.3 | 82.1 | | | 145.2 |
| BAR 29.5 HG | 500 | 75.3 | 77.1 | 79.2 | 80.2 | 81.1 | 83.0 | 83.5 | 83.9 | 85.2 | 87.8 | 86.2 | 84.7 | 82.7 | 79.7 | | | 144.2 |
| (99516. N/M2) | 630 | 76.6 | 78.4 | 79.3 | 80.5 | 80.9 | 80.7 | 83.5 | 84.4 | 85.7 | 87.1 | 88.1 | 85.3 | 83.9 | 81.7 | | | 144.6 |
| TAMB 59. DEG F | 800 | 75.6 | 78.7 | 79.4 | 80.3 | 81.3 | 81.1 | 83.1 | 83.3 | 85.0 | 86.6 | 86.5 | 85.3 | 82.2 | 81.5 | | | 144.0 |
| (288. DEG K) | 1000 | 75.1 | 78.7 | 79.2 | 80.9 | 81.9 | 82.0 | 83.4 | 83.1 | 84.7 | 86.6 | 86.8 | 85.1 | 82.8 | 82.3 | | | 144.3 |
| TWET 55. DEG F | 1250 | 75.6 | 80.0 | 80.8 | 81.9 | 82.8 | 83.0 | 83.0 | 82.9 | 85.2 | 86.7 | 86.0 | 85.6 | 83.5 | 82.4 | | | 144.6 |
| (286. DEG K) | 1600 | 74.1 | 79.9 | 80.2 | 81.7 | 81.4 | 81.6 | 81.9 | 82.7 | 84.7 | 86.5 | 85.2 | 84.6 | 82.6 | 81.2 | | | 144.1 |
| HACT 8.91 GM/M3 | 2000 | 71.3 | 77.6 | 79.1 | 80.4 | 79.9 | 79.9 | 80.7 | 81.5 | 83.8 | 84.2 | 83.3 | 82.6 | 80.1 | 78.2 | | | 142.7 |
| (.00891 KG/M3) | 2500 | 69.1 | 75.2 | 76.6 | 78.2 | 78.5 | 77.1 | 78.3 | 79.3 | 81.2 | 81.4 | 80.8 | 79.3 | 78.1 | 76.7 | | | 140.5 |
| FREQ. SHIFT | 3150 | 65.4 | 72.8 | 73.9 | 76.2 | 75.0 | 75.5 | 75.9 | 76.4 | 78.1 | 78.7 | 77.7 | 76.3 | 74.9 | 73.6 | | | 138.2 |
| JET 9 | 4000 | 61.1 | 68.2 | 69.3 | 71.2 | 70.8 | 71.6 | 72.6 | 73.1 | 74.2 | 74.9 | 74.1 | 72.7 | 71.2 | 71.4 | | | 135.1 |
| DIAMETER RATIO | 5000 | 58.3 | 64.7 | 65.7 | 67.8 | 67.3 | 66.6 | 67.3 | 69.0 | 69.9 | 70.2 | 69.1 | 67.0 | 66.7 | 71.2 | | | 131.3 |
| DE/DM 8.00 | 6300 | 56.0 | 60.7 | 61.5 | 64.0 | 61.9 | 62.7 | 63.3 | 67.5 | 66.0 | 67.9 | 66.1 | 64.6 | 64.7 | 74.3 | | | 130.2 |
| OVERALL CALCULATED | 8000 | 55.9 | 57.6 | 58.0 | 61.5 | 59.0 | 59.5 | 59.5 | 68.3 | 65.0 | 68.4 | 66.0 | 64.5 | 65.4 | 77.0 | | | 132.5 |
| PNDB | 10000 | 56.6 | 56.0 | 55.8 | 59.8 | 58.1 | 58.9 | 58.5 | 70.2 | 66.1 | 70.6 | 68.1 | 67.1 | 67.9 | 78.6 | | | 136.7 |
| | | 96.5 | 100.5 | 101.7 | 103.0 | 103.1 | 103.3 | 104.2 | 105.2 | 106.8 | 108.0 | 107.5 | 107.4 | 105.5 | 105.5 | | | 158.0 |

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ORIGINAL PAGE 1'S
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|----------|------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| REV. ALPHA 12/73 | | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| | | 50 | 49.1 | 48.1 | 54.0 | 56.2 | 58.4 | 63.7 | 60.2 | 60.5 | 61.3 | 62.1 | 58.0 | 59.7 | 61.1 | 62.1 | | | | |
| NO EGA | | 63 | 46.4 | 50.7 | 56.0 | 57.0 | 59.7 | 61.8 | 61.8 | 61.1 | 62.2 | 61.7 | 63.4 | 66.7 | 60.6 | 62.1 | | | | |
| SIDELINE 2400. FT. | | 80 | 51.3 | 54.2 | 55.3 | 56.2 | 60.7 | 61.4 | 61.6 | 62.5 | 63.6 | 63.7 | 65.3 | 70.1 | 67.1 | 63.5 | | | | |
| (731.52 II) | | 100 | 54.0 | 58.6 | 59.9 | 61.6 | 62.6 | 64.8 | 66.9 | 67.9 | 67.9 | 69.9 | 70.7 | 74.4 | 71.0 | 67.9 | | | | |
| NFA 1. RPM | | 125 | 55.0 | 57.4 | 61.9 | 60.8 | 61.8 | 65.2 | 66.5 | 67.1 | 70.4 | 72.6 | 70.9 | 69.2 | 67.3 | 60.4 | | | | |
| (0. RAD/SEC) | | 160 | 55.9 | 59.5 | 63.1 | 66.2 | 65.4 | 67.6 | 68.7 | 68.8 | 70.9 | 70.6 | 69.9 | 70.1 | 65.9 | 57.1 | | | | |
| NFK 1. RPM | | 200 | 55.0 | 57.6 | 59.8 | 62.8 | 64.4 | 66.0 | 66.9 | 67.0 | 66.4 | 67.3 | 66.7 | 65.6 | 59.0 | 54.5 | | | | |
| (0. RAD/SEC) | | 250 | 54.9 | 57.0 | 58.7 | 63.5 | 64.1 | 63.2 | 66.8 | 66.7 | 69.1 | 68.2 | 68.3 | 68.2 | 61.9 | 53.3 | | | | |
| NFD 1. RPM | | 315 | 54.7 | 56.9 | 61.2 | 62.1 | 64.0 | 65.3 | 65.9 | 67.0 | 67.2 | 68.2 | 67.9 | 65.0 | 59.1 | 50.8 | | | | |
| (0. RAD/SEC) | | 400 | 51.4 | 56.5 | 59.3 | 61.2 | 62.2 | 62.4 | 65.2 | 66.0 | 66.4 | 67.6 | 66.4 | 65.3 | 59.2 | 51.4 | | | | |
| AIRFLOW RATIO | | 500 | 48.6 | 53.3 | 57.3 | 59.7 | 61.4 | 63.8 | 64.4 | 64.7 | 65.6 | 67.3 | 64.4 | 60.9 | 56.0 | 48.0 | | | | |
| WF/WM 8.00 | | 630 | 49.0 | 54.0 | 56.9 | 59.5 | 60.9 | 61.2 | 64.1 | 64.9 | 65.6 | 66.2 | 65.7 | 60.8 | 56.3 | 48.8 | | | | |
| | | 800 | 46.9 | 53.4 | 56.3 | 58.6 | 60.6 | 61.0 | 63.2 | 63.2 | 64.3 | 65.0 | 63.4 | 60.0 | 53.5 | 46.8 | | | | |
| VEHICLE JENOTS | | 1000 | 45.0 | 52.3 | 55.3 | 58.6 | 60.6 | 61.3 | 62.9 | 62.4 | 63.4 | 64.2 | 62.9 | 58.8 | 52.7 | 45.7 | | | | |
| CONFIG JE-000 | | 1250 | 43.8 | 52.4 | 55.8 | 58.6 | 60.6 | 61.4 | 61.6 | 61.3 | 63.1 | 63.5 | 61.0 | 57.9 | 51.7 | 43.2 | | | | |
| LOC EVENDALE | | 1600 | 39.9 | 50.4 | 53.7 | 57.1 | 58.0 | 58.9 | 59.4 | 60.1 | 61.3 | 61.9 | 58.7 | 55.1 | 48.4 | 38.4 | | | | |
| DATE 05-13-75 | | 2000 | 34.2 | 45.9 | 50.8 | 54.2 | 55.1 | 55.8 | 56.9 | 57.4 | 58.9 | 58.0 | 55.0 | 50.9 | 43.0 | 31.1 | | | | |
| RUN DBTFMODEL10A | | 2500 | 27.8 | 40.3 | 45.6 | 49.7 | 51.5 | 51.1 | 52.5 | 53.3 | 54.2 | 52.9 | 49.8 | 44.4 | 36.8 | 23.3 | | | | |
| TAPE X10010 | | 3150 | 17.3 | 32.8 | 38.6 | 44.0 | 44.7 | 46.2 | 47.0 | 47.2 | 47.9 | 46.5 | 42.4 | 36.3 | 26.8 | 10.1 | | | | |
| FAN TIP SPEED | | 4000 | 3.0 | 20.5 | 27.7 | 33.5 | 35.5 | 37.6 | 39.1 | 39.1 | 38.9 | 37.2 | 32.5 | 25.0 | 13.1 | | | | | |
| FT/SEC | | 5000 | | 12.5 | 20.5 | 26.9 | 29.1 | 29.9 | 31.1 | 32.2 | 31.6 | 29.3 | 23.9 | 14.8 | 2.7 | | | | | |
| | | 6300 | | | 5.5 | 13.7 | 15.1 | 17.9 | 19.0 | 22.6 | 19.2 | 17.6 | 10.1 | | | | | | | |
| | | 8000 | | | | | | 2.2 | 3.0 | 11.0 | 5.1 | 3.7 | | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 64.1 | 67.6 | 70.8 | 73.0 | 74.2 | 75.7 | 77.0 | 77.4 | 78.7 | 79.5 | 78.7 | 79.2 | 75.4 | 71.5 | | | | |
| PNDB | | | 65.9 | 71.3 | 74.8 | 77.9 | 79.2 | 80.3 | 81.5 | 81.9 | 83.1 | 83.5 | 82.0 | 80.6 | 75.4 | 69.3 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 76.7 | 73.0 | 77.6 | 78.7 | 80.7 | 86.0 | 81.8 | 82.1 | 83.3 | 84.6 | 81.5 | 84.5 | 88.0 | 92.4 | | | 144.2 |
| RDG. NO. 0. | 63 | 74.6 | 76.1 | 79.6 | 80.0 | 82.2 | 84.4 | 83.5 | 83.2 | 84.4 | 84.4 | 86.5 | 90.9 | 88.8 | 90.1 | | | 145.4 |
| RADIAL 320. FT. | 80 | 80.6 | 81.5 | 80.2 | 80.7 | 84.0 | 84.0 | 83.1 | 84.4 | 85.2 | 85.7 | 88.5 | 93.3 | 91.7 | 92.6 | | | 147.2 |
| (98. M) | 100 | 83.0 | 85.4 | 85.6 | 86.5 | 86.8 | 87.0 | 88.4 | 89.1 | 89.8 | 92.5 | 94.2 | 98.3 | 95.2 | 95.2 | | | 151.9 |
| VEHICLE JENOTS | 125 | 82.8 | 84.1 | 87.0 | 85.2 | 84.8 | 86.7 | 87.7 | 88.6 | 92.6 | 95.3 | 94.2 | 92.9 | 92.1 | 88.7 | | | 150.9 |
| CONFIG JE-000 | 160 | 83.2 | 85.7 | 87.6 | 89.5 | 87.7 | 89.7 | 90.4 | 91.4 | 93.4 | 93.1 | 93.8 | 94.0 | 91.4 | 87.4 | | | 151.5 |
| LOC EVENDALE | 200 | 83.0 | 84.5 | 84.6 | 86.5 | 86.8 | 88.2 | 88.8 | 89.5 | 89.8 | 91.0 | 90.8 | 89.9 | 86.1 | 86.2 | | | 148.9 |
| DATE 05-13-75 | 250 | 83.6 | 83.8 | 83.5 | 87.4 | 87.9 | 86.1 | 89.8 | 90.1 | 91.0 | 92.9 | 92.9 | 92.5 | 88.8 | 85.8 | | | 150.1 |
| RUN DBTFMODEL10A | 315 | 83.6 | 83.8 | 87.3 | 87.2 | 88.4 | 88.6 | 89.1 | 91.1 | 91.5 | 94.3 | 93.7 | 90.4 | 88.6 | 85.0 | | | 150.7 |
| TAPE X10030 | 400 | 82.0 | 84.8 | 86.2 | 86.9 | 87.0 | 86.8 | 89.4 | 90.3 | 92.2 | 94.1 | 93.6 | 91.8 | 90.3 | 87.1 | | | 150.7 |
| BAR 29.5 HG | 500 | 80.1 | 83.1 | 85.2 | 86.2 | 86.6 | 88.5 | 89.7 | 90.6 | 91.7 | 94.1 | 92.2 | 90.2 | 88.5 | 85.9 | | | 150.3 |
| (99550. N/M2) | 630 | 82.1 | 84.2 | 85.5 | 86.5 | 87.2 | 87.2 | 90.7 | 92.2 | 94.2 | 95.4 | 93.9 | 91.5 | 90.9 | 88.7 | | | 151.8 |
| TAMB 59. DEG F | 800 | 82.6 | 85.5 | 86.7 | 87.3 | 88.0 | 88.4 | 91.6 | 92.3 | 94.5 | 95.6 | 94.8 | 92.6 | 91.2 | 90.0 | | | 152.4 |
| (288. DEG K) | 1000 | 82.9 | 85.9 | 87.0 | 87.9 | 89.7 | 90.0 | 92.2 | 93.1 | 94.9 | 96.6 | 95.8 | 94.6 | 93.8 | 92.8 | | | 153.6 |
| TWET 55. DEG F | 1250 | 83.6 | 87.3 | 88.0 | 88.6 | 89.6 | 91.0 | 91.7 | 93.1 | 95.7 | 97.0 | 96.2 | 95.6 | 95.3 | 94.1 | | | 154.3 |
| (286. DEG K) | 1600 | 82.3 | 87.1 | 87.7 | 88.7 | 89.4 | 90.3 | 91.4 | 93.5 | 95.7 | 96.5 | 95.2 | 95.1 | 95.1 | 93.2 | | | 154.1 |
| HACT 8.91 GM/M3 | 2000 | 80.3 | 85.6 | 86.9 | 88.2 | 88.4 | 89.4 | 90.7 | 92.2 | 94.5 | 94.7 | 93.8 | 93.9 | 92.6 | 91.9 | | | 153.0 |
| (.00891 KG/M3) | 2500 | 78.9 | 84.2 | 84.9 | 86.4 | 86.9 | 87.1 | 88.8 | 90.0 | 92.2 | 91.9 | 91.8 | 90.6 | 90.6 | 89.7 | | | 151.0 |
| FREQ. SHIFT | 3150 | 76.1 | 81.8 | 82.9 | 85.5 | 84.7 | 85.5 | 86.4 | 87.1 | 89.1 | 89.4 | 88.7 | 88.0 | 87.6 | 86.6 | | | 148.9 |
| JET 9 | 4000 | 71.6 | 77.4 | 78.8 | 81.0 | 80.5 | 82.3 | 82.6 | 84.3 | 85.0 | 86.2 | 85.3 | 83.7 | 84.0 | 82.9 | | | 145.9 |
| DIAMETER RATIO | 5000 | 68.0 | 74.2 | 75.7 | 77.8 | 77.1 | 77.4 | 78.3 | 79.3 | 80.6 | 81.9 | 80.6 | 79.0 | 79.2 | 79.0 | | | 142.0 |
| DF/DN 8.00 | 6300 | 63.8 | 69.7 | 71.2 | 73.8 | 72.4 | 73.2 | 74.3 | 75.7 | 75.7 | 79.1 | 77.4 | 75.8 | 76.2 | 76.5 | | | 139.6 |
| OVERALL CALCULATED | 8000 | 60.4 | 67.1 | 67.8 | 71.2 | 69.3 | 69.3 | 70.3 | 71.8 | 72.3 | 78.7 | 76.5 | 75.2 | 75.4 | 77.5 | | | 139.8 |
| PND8 | 10000 | 58.9 | 65.3 | 65.8 | 69.3 | 68.1 | 68.7 | 69.0 | 71.2 | 68.8 | 80.3 | 77.6 | 77.1 | 76.6 | 78.3 | | | 143.0 |
| | | 94.6 | 97.3 | 98.6 | 99.6 | 100.1 | 100.9 | 102.3 | 103.5 | 105.4 | 106.7 | 106.1 | 105.9 | 104.5 | 103.6 | | | 164.2 |
| | | 103.7 | 107.9 | 108.9 | 110.4 | 110.7 | 111.4 | 112.7 | 114.0 | 115.8 | 116.9 | 116.1 | 115.6 | 114.8 | 113.7 | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)
ANGLES FROM INLET IN DEGREES (AND RADIANIS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 52.8 | 51.4 | 57.5 | 59.7 | 62.4 | 68.2 | 64.2 | 64.3 | 65.1 | 65.6 | 61.5 | 62.9 | 64.1 | 65.1 | | |
| SIDELINE 2400. FT. | 63 | 50.6 | 54.4 | 59.5 | 61.0 | 64.0 | 66.5 | 65.8 | 65.4 | 66.2 | 65.5 | 66.4 | 69.2 | 64.9 | 62.6 | | |
| (731.52 M) | 80 | 56.5 | 59.7 | 60.1 | 61.7 | 65.7 | 66.1 | 65.4 | 66.5 | 66.9 | 66.7 | 68.3 | 71.6 | 67.6 | 65.0 | | |
| NFA | 100 | 58.8 | 63.6 | 65.4 | 67.4 | 68.4 | 69.1 | 70.6 | 71.2 | 71.4 | 73.4 | 74.0 | 76.4 | 71.0 | 67.4 | | |
| 1. RPM | 125 | 58.5 | 62.2 | 66.7 | 66.0 | 66.3 | 68.7 | 69.8 | 70.6 | 74.2 | 76.1 | 73.9 | 70.9 | 67.8 | 60.6 | | |
| (0. RAD/SEC) | 160 | 58.7 | 63.5 | 67.1 | 70.2 | 69.2 | 71.6 | 72.4 | 73.3 | 74.9 | 73.8 | 73.4 | 71.8 | 66.9 | 59.1 | | |
| NFK | 200 | 58.2 | 62.1 | 64.0 | 67.0 | 68.1 | 70.0 | 70.7 | 71.2 | 71.1 | 71.5 | 70.2 | 67.6 | 61.3 | 57.5 | | |
| (0. RAD/SEC) | 250 | 58.4 | 61.2 | 62.7 | 67.8 | 69.1 | 67.7 | 71.5 | 71.7 | 72.1 | 73.2 | 72.1 | 69.9 | 63.7 | 56.5 | | |
| NFD | 315 | 58.1 | 60.9 | 66.2 | 67.4 | 69.3 | 70.0 | 70.6 | 72.5 | 72.4 | 74.4 | 72.6 | 67.5 | 63.1 | 55.1 | | |
| (0. RAD/SEC) | 400 | 55.9 | 61.5 | 64.8 | 66.7 | 67.7 | 67.9 | 70.7 | 71.5 | 72.9 | 73.9 | 72.2 | 68.5 | 64.2 | 56.4 | | |
| AIRFLOW RATIO | 500 | 53.3 | 59.3 | 63.3 | 65.7 | 66.9 | 69.3 | 70.7 | 71.5 | 72.1 | 73.6 | 70.4 | 66.4 | 61.7 | 54.3 | | |
| WF/WN 8.00 | 630 | 54.5 | 59.7 | 63.1 | 65.5 | 67.1 | 67.7 | 71.3 | 72.6 | 74.1 | 74.4 | 71.5 | 67.1 | 63.3 | 55.8 | | |
| | 800 | 53.9 | 60.1 | 63.6 | 65.6 | 67.4 | 68.2 | 71.7 | 72.2 | 73.8 | 74.0 | 71.7 | 67.3 | 62.5 | 55.3 | | |
| VEHICLE JENOTS | 1000 | 52.8 | 59.6 | 63.0 | 65.6 | 68.4 | 69.3 | 71.6 | 72.4 | 73.6 | 74.2 | 71.9 | 68.3 | 63.7 | 56.2 | | |
| CONFIG JE-000 | 1250 | 51.8 | 59.6 | 63.0 | 65.3 | 67.4 | 69.4 | 70.4 | 71.6 | 73.6 | 73.7 | 71.2 | 67.9 | 63.5 | 54.9 | | |
| LOC EVENDALE | 1600 | 48.1 | 57.6 | 61.2 | 64.1 | 66.0 | 67.7 | 68.9 | 70.8 | 72.3 | 71.9 | 68.7 | 65.6 | 60.9 | 50.4 | | |
| DATE 05-13-75 | 2000 | 43.2 | 53.9 | 58.5 | 62.0 | 63.6 | 65.3 | 66.9 | 68.2 | 69.7 | 68.5 | 65.5 | 62.2 | 55.5 | 44.8 | | |
| RUN DBTFMODEL10A | 2500 | 37.6 | 49.3 | 53.9 | 58.0 | 60.0 | 61.1 | 63.0 | 64.0 | 65.2 | 63.4 | 60.8 | 55.7 | 49.3 | 36.2 | | |
| TAPE X10030 | 3150 | 28.1 | 41.8 | 47.6 | 53.3 | 54.4 | 56.2 | 57.5 | 57.9 | 58.9 | 57.3 | 53.4 | 48.0 | 39.6 | 23.1 | | |
| FAN TIP SPEED | 4000 | 13.5 | 29.7 | 37.2 | 43.3 | 45.2 | 48.3 | 49.1 | 50.3 | 49.7 | 48.5 | 43.8 | 36.0 | 25.8 | 4.3 | | |
| FT/SEC | 5000 | 4.0 | 22.0 | 30.5 | 36.9 | 38.9 | 40.6 | 42.1 | 42.5 | 42.4 | 41.0 | 35.4 | 26.8 | 15.2 | | | |
| | 6300 | | 4.4 | 15.2 | 23.5 | 25.6 | 28.4 | 30.0 | 30.8 | 28.9 | 28.8 | 21.3 | 10.5 | | | | |
| | 8000 | | | | 6.5 | 9.3 | 11.9 | 13.7 | 14.5 | 12.3 | 14.0 | 3.9 | | | | | |
| | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 68.1 | 72.7 | 76.0 | 78.3 | 79.6 | 81.0 | 82.5 | 83.4 | 84.6 | 85.3 | 83.5 | 82.0 | 77.4 | 72.8 | | |
| PND8 | | 71.0 | 77.9 | 81.7 | 84.6 | 86.3 | 87.9 | 89.4 | 90.7 | 91.9 | 91.9 | 89.3 | 86.3 | 81.1 | 72.8 | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 79.9 | 76.2 | 80.8 | 81.9 | 83.7 | 88.2 | 85.3 | 84.8 | 86.8 | 89.1 | 86.0 | 89.8 | 91.7 | 93.4 | | | | 147.4 |
| RDG. NO. 0. | 60 | 84.3 | 85.2 | 84.5 | 84.5 | 88.0 | 87.8 | 87.6 | 89.4 | 90.4 | 91.2 | 94.5 | 99.1 | 95.2 | 97.8 | | | | 148.8 |
| RADIAL 320. FT. | 100 | 87.2 | 90.7 | 90.9 | 91.5 | 91.5 | 92.3 | 93.7 | 94.6 | 94.5 | 98.0 | 100.0 | 103.0 | 99.5 | 100.2 | | | | 152.3 |
| (98. M) | 125 | 86.8 | 88.4 | 92.0 | 88.9 | 89.3 | 92.4 | 92.2 | 93.8 | 98.6 | 101.3 | 100.0 | 98.4 | 96.8 | 94.2 | | | | 156.9 |
| VEHICLE JENOTS | 160 | 87.5 | 90.2 | 92.4 | 93.5 | 92.5 | 93.4 | 95.2 | 96.4 | 98.7 | 99.4 | 99.3 | 99.7 | 97.9 | 94.2 | | | | 156.5 |
| CONFIG JE-000 | 200 | 86.8 | 88.7 | 89.4 | 90.7 | 91.6 | 92.7 | 93.3 | 94.5 | 95.8 | 97.5 | 96.6 | 95.2 | 92.4 | 93.5 | | | | 156.8 |
| LOC EVENDALE | 250 | 88.1 | 89.3 | 89.0 | 91.9 | 92.7 | 91.6 | 95.0 | 94.8 | 98.2 | 100.1 | 98.9 | 99.0 | 96.8 | 93.5 | | | | 154.3 |
| DATE 05-13-75 | 315 | 88.3 | 89.1 | 92.5 | 91.9 | 93.4 | 93.6 | 94.6 | 96.9 | 97.5 | 101.8 | 99.2 | 97.1 | 95.4 | 93.0 | | | | 156.3 |
| RUN DBTFMODEL10A | 400 | 87.0 | 90.6 | 92.2 | 92.7 | 92.8 | 93.3 | 95.9 | 97.1 | 98.7 | 101.1 | 99.9 | 98.8 | 97.5 | 94.1 | | | | 157.3 |
| TAPE X1005Q | 500 | 85.6 | 88.9 | 91.4 | 92.0 | 92.3 | 95.3 | 96.2 | 97.1 | 99.2 | 100.8 | 99.2 | 97.2 | 95.0 | 91.9 | | | | 157.1 |
| BAR 29.5 HG | 630 | 87.4 | 90.2 | 91.5 | 92.2 | 93.2 | 93.2 | 96.5 | 99.2 | 100.2 | 101.6 | 99.6 | 98.5 | 97.4 | 95.0 | | | | 158.0 |
| (99583. N/M2) | 800 | 88.4 | 91.5 | 92.2 | 93.0 | 94.5 | 95.1 | 97.6 | 98.5 | 101.0 | 102.1 | 100.5 | 99.1 | 97.0 | 96.5 | | | | 158.7 |
| TAMB 59. DEG F | 1000 | 89.1 | 91.9 | 92.5 | 93.2 | 95.7 | 96.3 | 98.7 | 99.4 | 101.4 | 102.8 | 101.6 | 100.9 | 99.3 | 98.6 | | | | 159.7 |
| (288. DEG K) | 1250 | 90.3 | 94.0 | 93.8 | 94.6 | 96.3 | 97.7 | 99.5 | 100.4 | 103.2 | 104.2 | 103.0 | 102.8 | 101.3 | 100.4 | | | | 161.3 |
| TWET 55. DEG F | 1600 | 89.6 | 94.6 | 94.5 | 95.2 | 95.6 | 97.1 | 98.4 | 100.2 | 103.2 | 103.5 | 102.7 | 103.1 | 101.8 | 100.5 | | | | 161.3 |
| (286. DEG K) | 2000 | 88.8 | 94.6 | 94.9 | 95.7 | 94.9 | 96.1 | 97.0 | 100.0 | 101.5 | 101.7 | 101.6 | 101.6 | 99.9 | 98.9 | | | | 160.2 |
| HACT 8.91 GM/M3 | 2500 | 87.1 | 92.9 | 93.6 | 94.9 | 94.2 | 94.6 | 96.0 | 97.0 | 98.9 | 98.4 | 98.6 | 98.3 | 97.4 | 96.9 | | | | 158.1 |
| (.00891 KG/M3) | 3150 | 84.1 | 90.8 | 91.6 | 93.7 | 92.0 | 93.0 | 93.6 | 94.4 | 96.4 | 96.7 | 95.4 | 95.5 | 94.4 | 92.8 | | | | 156.2 |
| FREQ. SHIFT | 4000 | 79.6 | 85.9 | 87.3 | 89.5 | 87.8 | 89.8 | 90.9 | 92.1 | 92.5 | 93.4 | 92.1 | 91.7 | 91.0 | 89.1 | | | | 153.5 |
| JET 9 | 5000 | 76.3 | 82.7 | 83.7 | 86.3 | 84.3 | 85.4 | 86.8 | 87.3 | 89.1 | 89.4 | 87.9 | 86.8 | 87.2 | 86.2 | | | | 149.9 |
| DIAMETER RATIO | 6300 | 72.0 | 78.5 | 79.2 | 82.8 | 79.4 | 81.5 | 83.0 | 84.7 | 85.2 | 86.6 | 84.6 | 83.6 | 83.7 | 83.3 | | | | 147.7 |
| DF/DM 8.00 | 8000 | 69.7 | 74.6 | 75.8 | 80.7 | 75.3 | 79.0 | 79.5 | 82.8 | 82.5 | 84.4 | 82.5 | 80.5 | 81.6 | 81.5 | | | | 147.1 |
| | 10000 | 68.1 | 71.0 | 71.8 | 77.1 | 71.1 | 79.2 | 79.2 | 82.4 | 80.1 | 83.3 | 80.9 | 79.1 | 79.6 | 81.1 | | | | 148.4 |
| OVERALL CALCULATED | | 100.2 | 103.8 | 104.7 | 105.5 | 105.9 | 107.0 | 108.5 | 109.9 | 112.0 | 113.4 | 112.4 | 112.4 | 110.5 | 109.6 | | | | 170.6 |
| PND8 | | 110.7 | 115.4 | 116.3 | 117.6 | 117.2 | 118.2 | 119.5 | 121.1 | 122.8 | 123.6 | 122.9 | 122.8 | 121.2 | 120.2 | | | | |

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 ORIGINAL PAGE IS
 OF POOR QUALITY

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 56.1 | 54.6 | 60.8 | 63.0 | 65.4 | 70.4 | 67.7 | 67.0 | 68.6 | 70.1 | 66.0 | 68.2 | 67.9 | 66.1 | | | |
| SIDELINE 2400. FT. | | 63 | 54.1 | 58.2 | 62.5 | 63.8 | 66.7 | 68.0 | 69.0 | 68.4 | 69.7 | 69.5 | 70.6 | 73.5 | 65.4 | 66.6 | | | |
| (731.52 M) | | 80 | 60.3 | 63.5 | 64.3 | 65.4 | 69.7 | 69.9 | 69.9 | 71.5 | 72.1 | 72.2 | 74.3 | 77.3 | 71.1 | 70.2 | | | |
| | | 100 | 63.0 | 68.8 | 70.7 | 72.4 | 73.1 | 74.3 | 75.9 | 76.7 | 76.2 | 78.9 | 79.7 | 81.2 | 75.3 | 72.4 | | | |
| NFA | 1. RPM | 125 | 62.5 | 66.4 | 71.7 | 69.8 | 70.8 | 74.4 | 74.3 | 75.8 | 80.2 | 82.1 | 79.6 | 76.4 | 72.5 | 66.1 | | | |
| (0. RAD/SEC) | | 160 | 62.9 | 68.0 | 71.9 | 74.2 | 73.9 | 75.3 | 77.2 | 78.3 | 80.1 | 80.1 | 78.9 | 77.6 | 73.4 | 65.8 | | | |
| NFK | 1. RPM | 200 | 62.0 | 66.4 | 68.8 | 71.3 | 72.9 | 74.5 | 75.2 | 76.2 | 77.1 | 78.0 | 75.9 | 72.9 | 67.5 | 64.7 | | | |
| (0. RAD/SEC) | | 250 | 62.9 | 66.7 | 68.2 | 72.3 | 73.9 | 73.2 | 76.8 | 76.4 | 79.4 | 80.5 | 78.1 | 76.4 | 71.7 | 64.3 | | | |
| NFD | 1. RPM | 315 | 62.7 | 66.2 | 71.4 | 72.1 | 74.3 | 75.0 | 76.1 | 78.3 | 78.4 | 81.9 | 78.1 | 74.3 | 69.8 | 63.1 | | | |
| (0. RAD/SEC) | | 400 | 60.9 | 67.3 | 70.8 | 72.5 | 73.5 | 74.4 | 77.2 | 78.2 | 79.4 | 80.9 | 78.4 | 75.5 | 71.4 | 63.4 | | | |
| AIRFLOW RATIO | | 500 | 58.8 | 65.1 | 69.6 | 71.5 | 72.7 | 76.1 | 77.2 | 78.0 | 79.6 | 80.3 | 77.4 | 73.4 | 68.2 | 60.3 | | | |
| WF/WM 8.00 | | 630 | 59.8 | 65.7 | 69.1 | 71.3 | 73.1 | 73.7 | 77.1 | 79.6 | 80.1 | 80.7 | 77.2 | 74.1 | 69.8 | 62.0 | | | |
| | | 800 | 59.6 | 66.1 | 69.1 | 71.4 | 73.9 | 75.0 | 77.7 | 78.4 | 80.3 | 80.5 | 77.4 | 73.8 | 68.2 | 61.8 | | | |
| VEHICLE | JENOTS | 1000 | 59.0 | 65.6 | 68.5 | 70.8 | 74.4 | 75.5 | 78.1 | 78.6 | 80.1 | 80.5 | 77.6 | 74.5 | 69.2 | 61.9 | | | |
| CONFIG | JE-000 | 1250 | 58.5 | 66.4 | 68.8 | 71.3 | 74.1 | 76.2 | 78.1 | 78.8 | 81.1 | 81.0 | 78.0 | 75.2 | 69.5 | 61.2 | | | |
| LOC | EVENDALE | 1600 | 55.4 | 65.1 | 68.0 | 70.6 | 72.2 | 74.4 | 75.9 | 77.6 | 79.8 | 78.9 | 76.2 | 73.6 | 67.6 | 57.7 | | | |
| DATE | 05-13-75 | 2000 | 51.7 | 62.9 | 66.5 | 69.5 | 70.1 | 72.1 | 73.2 | 75.9 | 76.7 | 75.5 | 73.2 | 69.9 | 62.7 | 51.8 | | | |
| RUN | DBTFMODEL10A | 2500 | 45.8 | 58.0 | 62.6 | 66.4 | 67.3 | 68.6 | 70.3 | 71.0 | 72.0 | 69.9 | 67.6 | 63.4 | 56.0 | 43.5 | | | |
| TAPE | X10050 | 3150 | 36.1 | 50.8 | 56.4 | 61.5 | 61.7 | 63.7 | 64.7 | 65.2 | 66.1 | 64.5 | 60.2 | 55.5 | 46.3 | 29.4 | | | |
| FAN TIP SPEED | | 4000 | 21.5 | 38.2 | 45.7 | 51.8 | 52.5 | 55.8 | 57.3 | 58.1 | 57.2 | 55.7 | 50.5 | 44.0 | 32.8 | 10.6 | | | |
| FT/SEC | | 5000 | 12.3 | 30.5 | 38.5 | 45.4 | 46.1 | 48.6 | 50.6 | 50.5 | 50.9 | 48.5 | 42.6 | 34.6 | 23.2 | | | | |
| | | 6300 | | 13.2 | 23.2 | 32.5 | 32.6 | 36.6 | 38.7 | 39.8 | 38.4 | 36.3 | 28.6 | 18.3 | 2.5 | | | | |
| | | 8000 | | | 3.2 | 16.0 | 15.3 | 21.7 | 23.0 | 25.5 | 22.6 | 19.7 | 9.9 | | | | | | |
| | | 10000 | | | | | | 4.4 | 5.6 | 7.7 | 1.8 | | | | | | | | |
| OVERALL CALCULATED | | | 72.7 | 78.1 | 81.5 | 83.4 | 85.0 | 86.5 | 88.3 | 89.5 | 91.0 | 91.8 | 89.5 | 87.8 | 82.7 | 77.9 | | | |
| | | PND8 | 76.6 | 84.7 | 88.4 | 91.2 | 92.5 | 94.3 | 96.0 | 97.4 | 99.0 | 98.8 | 96.1 | 93.5 | 87.6 | 79.4 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANHS) | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|----------|--|--|-------|
| SPL INPUT AT STD | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | 50 | 78.5 | 75.0 | 78.6 | 79.4 | 80.9 | 85.7 | 82.6 | 83.1 | 85.1 | 88.1 | 85.0 | 89.3 | 92.5 | 92.4 | | | | | | 146.3 |
| RDG. NO. 0. | 63 | 74.4 | 76.1 | 79.3 | 80.3 | 81.7 | 83.4 | 83.2 | 82.0 | 84.9 | 85.2 | 87.7 | 93.7 | 90.1 | 96.6 | | | | | | 147.5 |
| RADIAL 320. FT. | 80 | 78.6 | 79.5 | 79.0 | 77.7 | 81.2 | 81.8 | 82.1 | 83.6 | 85.9 | 87.7 | 92.5 | 98.1 | 96.2 | 98.9 | | | | | | 150.9 |
| (.98. M) | 100 | 79.8 | 82.0 | 82.6 | 83.3 | 83.8 | 85.0 | 87.2 | 89.1 | 90.0 | 94.3 | 98.0 | 103.4 | 100.6 | 101.3 | | | | | | 155.5 |
| VEHICLE JENOTS | 125 | 80.7 | 81.2 | 84.8 | 82.7 | 82.5 | 85.2 | 86.9 | 88.6 | 93.1 | 97.3 | 97.7 | 97.3 | 97.2 | 94.3 | | | | | | 153.2 |
| CONFIG JE-000 | 160 | 82.2 | 83.8 | 85.9 | 87.5 | 86.5 | 88.2 | 89.4 | 90.9 | 93.9 | 95.6 | 96.3 | 96.9 | 94.3 | 89.9 | | | | | | 152.6 |
| LOC EVENDALE | 200 | 82.5 | 83.2 | 84.1 | 85.0 | 85.8 | 87.5 | 88.5 | 88.5 | 89.1 | 91.2 | 92.8 | 92.4 | 87.3 | 86.7 | | | | | | 149.2 |
| DATE 05-13-75 | 250 | 81.3 | 81.6 | 81.8 | 84.6 | 85.4 | 84.3 | 87.5 | 87.8 | 91.7 | 92.4 | 95.1 | 94.8 | 90.1 | 85.8 | | | | | | 150.3 |
| RUN DBTFMODEL10A | 315 | 82.1 | 81.8 | 84.7 | 84.4 | 85.3 | 85.9 | 86.8 | 89.1 | 90.0 | 92.5 | 92.5 | 91.2 | 88.0 | 84.5 | | | | | | 149.1 |
| TAPE X10110 | 400 | 79.9 | 82.5 | 84.0 | 83.7 | 84.3 | 84.0 | 86.9 | 87.8 | 89.5 | 92.3 | 92.1 | 91.7 | 88.9 | 86.0 | | | | | | 148.8 |
| BAR 29.5 HG | 500 | 77.4 | 80.1 | 82.2 | 83.5 | 83.3 | 86.0 | 86.0 | 87.4 | 88.7 | 91.6 | 90.0 | 88.7 | 86.2 | 83.5 | | | | | | 147.7 |
| (99583. N/M2) | 630 | 79.2 | 81.2 | 82.5 | 83.3 | 83.2 | 83.5 | 86.5 | 87.9 | 89.5 | 92.4 | 91.6 | 89.1 | 88.0 | 86.1 | | | | | | 148.4 |
| TAMB 62. DEG F | 800 | 78.6 | 81.4 | 82.9 | 83.5 | 84.6 | 84.4 | 86.6 | 87.0 | 89.2 | 91.3 | 91.5 | 89.8 | 87.7 | 86.7 | | | | | | 148.3 |
| (290. DEG K) | 1000 | 78.7 | 82.5 | 83.2 | 83.7 | 84.7 | 85.0 | 86.4 | 87.1 | 89.2 | 91.1 | 90.9 | 90.4 | 89.1 | 87.8 | | | | | | 148.5 |
| TWET 56. DEG F | 1250 | 78.2 | 83.7 | 83.8 | 84.7 | 85.1 | 85.8 | 86.3 | 86.9 | 89.5 | 91.3 | 90.8 | 90.7 | 89.7 | 88.8 | | | | | | 148.9 |
| (286. DEG K) | 1600 | 76.7 | 83.3 | 83.8 | 84.5 | 84.4 | 85.2 | 85.5 | 86.8 | 90.0 | 90.8 | 89.7 | 90.3 | 89.0 | 88.1 | | | | | | 148.6 |
| HACT 8.91 GM/M3 | 2000 | 73.6 | 81.1 | 82.7 | 83.3 | 83.3 | 83.9 | 84.8 | 86.3 | 88.3 | 89.0 | 87.9 | 88.4 | 86.6 | 85.7 | | | | | | 147.3 |
| (.00891 KG/M3) | 2500 | 70.8 | 78.6 | 80.0 | 81.5 | 81.3 | 81.7 | 82.6 | 83.9 | 86.2 | 86.0 | 85.4 | 85.2 | 83.5 | 83.1 | | | | | | 145.0 |
| FREQ. SHIFT | 3150 | 68.1 | 76.3 | 77.7 | 79.6 | 78.8 | 79.6 | 80.5 | 81.2 | 83.5 | 83.8 | 82.5 | 82.3 | 80.4 | 81.3 | | | | | | 143.0 |
| JET 9 | 4000 | 62.7 | 72.0 | 73.6 | 75.1 | 74.4 | 76.4 | 77.2 | 77.9 | 78.8 | 79.5 | 78.7 | 77.5 | 76.8 | 80.0 | | | | | | 139.9 |
| DIAMETER RATIO | 5000 | 59.6 | 68.0 | 69.3 | 72.1 | 71.2 | 71.0 | 71.9 | 73.6 | 74.7 | 74.8 | 73.5 | 73.0 | 73.2 | 81.0 | | | | | | 136.5 |
| DF/DH 8.00 | 6300 | 56.2 | 64.1 | 64.6 | 68.9 | 67.0 | 67.6 | 68.3 | 70.0 | 69.8 | 70.9 | 69.2 | 73.2 | 72.5 | 83.9 | | | | | | 136.5 |
| OVERALL CALCULATED | 8000 | 57.1 | 59.8 | 60.8 | 68.8 | 66.1 | 66.4 | 66.8 | 69.7 | 66.6 | 69.5 | 67.6 | 74.9 | 74.1 | 87.2 | | | | | | 140.2 |
| PND8 | 10000 | 59.1 | 58.2 | 57.4 | 69.9 | 66.6 | 67.7 | 67.8 | 70.7 | 66.6 | 70.6 | 68.7 | 77.8 | 77.3 | 89.7 | | | | | | 145.2 |
| | | 91.9 | 94.2 | 95.6 | 96.4 | 96.7 | 97.8 | 99.0 | 100.1 | 102.4 | 104.7 | 105.6 | 107.5 | 105.4 | 105.9 | | | | | | 162.8 |
| | | 98.9 | 103.7 | 105.1 | 106.2 | 106.2 | 107.0 | 108.0 | 109.3 | 111.2 | 112.6 | 112.3 | 113.0 | 111.2 | 111.8 | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|--|--|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | | | |
| REV. ALPHA 12/73 | | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | | |
| | | 50 | 54.6 | 53.4 | 58.5 | 60.5 | 62.7 | 67.9 | 64.9 | 65.3 | 66.8 | 69.1 | 65.0 | 67.7 | 68.7 | 65.1 | | | | | | | | |
| NO EGA | | 63 | 50.4 | 54.5 | 59.2 | 61.3 | 63.5 | 65.5 | 65.5 | 64.1 | 66.7 | 66.2 | 67.6 | 72.0 | 66.2 | 69.2 | | | | | | | | |
| SIDELINE 2400. FT. | | 80 | 54.6 | 57.8 | 58.8 | 58.7 | 62.9 | 63.9 | 64.4 | 65.7 | 67.6 | 68.7 | 72.3 | 76.4 | 72.2 | 71.3 | | | | | | | | |
| (731.52 M) | | 100 | 55.6 | 60.2 | 62.4 | 64.1 | 65.4 | 67.1 | 69.4 | 71.2 | 71.7 | 75.1 | 77.7 | 81.5 | 76.4 | 73.5 | | | | | | | | |
| NFA | | 125 | 56.4 | 59.3 | 64.4 | 63.5 | 64.1 | 67.2 | 69.0 | 70.6 | 74.7 | 78.1 | 77.4 | 75.3 | 72.9 | 66.3 | | | | | | | | |
| (0. RAD/SEC) | | 160 | 57.6 | 61.7 | 65.4 | 68.2 | 67.9 | 70.1 | 71.4 | 72.8 | 75.4 | 76.3 | 75.9 | 74.8 | 69.8 | 61.5 | | | | | | | | |
| NFK | | 200 | 57.7 | 60.8 | 63.5 | 65.5 | 67.1 | 69.2 | 70.4 | 70.2 | 70.4 | 71.8 | 72.2 | 70.1 | 62.5 | 57.9 | | | | | | | | |
| (0. RAD/SEC) | | 250 | 56.2 | 59.0 | 60.9 | 65.0 | 66.6 | 65.9 | 69.3 | 69.4 | 72.9 | 72.7 | 74.3 | 72.2 | 65.0 | 56.5 | | | | | | | | |
| NFD | | 315 | 56.5 | 59.0 | 63.6 | 64.6 | 66.3 | 67.3 | 68.4 | 70.5 | 70.9 | 72.7 | 71.4 | 68.3 | 62.4 | 54.7 | | | | | | | | |
| (0. RAD/SEC) | | 400 | 53.8 | 59.2 | 62.5 | 63.5 | 65.0 | 65.2 | 68.2 | 69.0 | 70.2 | 72.1 | 70.7 | 68.4 | 62.8 | 55.3 | | | | | | | | |
| AIRFLOW RATIO | | 500 | 50.6 | 56.3 | 60.3 | 63.0 | 63.7 | 66.8 | 67.0 | 68.2 | 69.1 | 71.1 | 68.1 | 64.9 | 59.5 | 51.8 | | | | | | | | |
| WF/WB 8.00 | | 630 | 51.6 | 56.8 | 60.1 | 62.3 | 63.1 | 63.9 | 67.1 | 68.4 | 69.4 | 71.4 | 69.2 | 64.6 | 60.3 | 53.1 | | | | | | | | |
| | | 800 | 49.8 | 56.1 | 59.8 | 61.9 | 63.9 | 64.3 | 66.7 | 66.9 | 68.6 | 69.7 | 68.4 | 64.4 | 58.9 | 52.0 | | | | | | | | |
| VEHICLE JENOTS | | 1000 | 48.6 | 56.1 | 59.3 | 61.4 | 63.4 | 64.3 | 65.9 | 66.4 | 67.9 | 68.8 | 66.9 | 64.1 | 59.0 | 51.2 | | | | | | | | |
| CONFIG JE-000 | | 1250 | 46.4 | 56.0 | 58.8 | 61.4 | 62.9 | 64.2 | 64.9 | 65.4 | 67.4 | 68.0 | 65.8 | 63.1 | 57.9 | 49.6 | | | | | | | | |
| LOC EVENDALE | | 1600 | 42.5 | 53.8 | 57.3 | 59.9 | 61.0 | 62.5 | 63.0 | 64.1 | 66.6 | 66.2 | 63.2 | 60.8 | 54.7 | 45.3 | | | | | | | | |
| DATE 05-13-75 | | 2000 | 36.5 | 49.4 | 54.3 | 57.1 | 58.5 | 59.9 | 61.0 | 62.2 | 63.5 | 62.8 | 59.5 | 56.7 | 49.5 | 38.6 | | | | | | | | |
| RUN DBTFMODEL10A | | 2500 | 29.5 | 43.7 | 49.0 | 53.0 | 54.4 | 55.7 | 56.8 | 57.8 | 59.3 | 57.5 | 54.4 | 50.3 | 42.2 | 29.6 | | | | | | | | |
| TAPE X10110 | | 3150 | 20.1 | 36.3 | 42.5 | 47.4 | 48.5 | 50.3 | 51.6 | 52.0 | 53.2 | 51.6 | 47.3 | 42.2 | 32.3 | 17.9 | | | | | | | | |
| FAN TIP SPEED | | 4000 | 4.6 | 24.3 | 32.1 | 37.4 | 39.1 | 42.4 | 43.7 | 43.9 | 43.5 | 41.8 | 37.1 | 29.8 | 18.7 | 1.4 | | | | | | | | |
| FT/SEC | | 5000 | | 15.8 | 24.1 | 31.2 | 33.0 | 34.2 | 35.6 | 36.8 | 36.5 | 33.9 | 28.2 | 20.9 | 9.2 | | | | | | | | | |
| | | 6300 | | | 8.5 | 18.6 | 20.2 | 22.7 | 24.1 | 25.1 | 23.0 | 20.6 | 13.2 | 7.9 | | | | | | | | | | |
| | | 8000 | | | | 4.1 | 6.1 | 9.0 | 10.3 | 12.3 | 6.7 | 4.8 | | | | | | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 66.3 | 70.2 | 73.7 | 75.6 | 76.9 | 78.6 | 79.9 | 80.9 | 82.8 | 84.6 | 84.5 | 85.2 | 80.6 | 77.5 | | | | | | | | |
| PNDB | | | 68.2 | 74.4 | 78.2 | 80.8 | 82.2 | 83.7 | 84.9 | 85.9 | 87.8 | 88.4 | 87.5 | 87.0 | 81.1 | 75.5 | | | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 63 | 78.3 | 80.3 | 83.3 | 83.3 | 85.2 | 86.9 | 87.5 | 90.5 | 88.4 | 89.2 | 91.7 | 97.1 | 91.6 | 97.1 | | | | 150.3 |
| RDG. NO. 0. | 80 | 83.1 | 84.2 | 84.0 | 83.7 | 87.0 | 87.0 | 86.9 | 89.9 | 89.2 | 90.5 | 94.7 | 99.6 | 96.4 | 100.3 | | | | 150.6 |
| RADIAL 320. FT.
(98. M) | 100 | 86.0 | 88.9 | 89.6 | 90.3 | 90.3 | 90.3 | 92.7 | 94.4 | 93.5 | 97.8 | 100.5 | 105.5 | 101.2 | 102.5 | | | | 152.8 |
| VEHICLE JENOTS | 125 | 85.6 | 87.6 | 91.0 | 88.4 | 88.3 | 90.7 | 91.4 | 94.1 | 97.4 | 101.1 | 100.2 | 99.4 | 98.1 | 95.2 | | | | 157.9 |
| CONFIG JE-000 | 160 | 85.7 | 89.7 | 90.9 | 92.3 | 90.7 | 92.7 | 94.4 | 95.9 | 97.9 | 99.1 | 99.8 | 100.0 | 97.4 | 93.4 | | | | 156.4 |
| LQC EVENDALE | 200 | 85.8 | 87.7 | 88.1 | 89.7 | 90.6 | 92.0 | 92.8 | 94.5 | 93.8 | 96.0 | 96.1 | 95.7 | 91.6 | 92.2 | | | | 156.5 |
| DATE 05-13-75 | 250 | 86.1 | 87.3 | 87.8 | 90.4 | 90.9 | 90.1 | 92.8 | 94.3 | 96.0 | 97.9 | 97.4 | 97.2 | 93.8 | 90.3 | | | | 153.5 |
| RUN DBTFMODEL10A | 315 | 86.5 | 88.0 | 91.2 | 90.2 | 91.1 | 91.9 | 92.6 | 96.1 | 95.5 | 99.0 | 97.2 | 95.2 | 92.9 | 89.7 | | | | 154.5 |
| TAPE X10130 | 400 | 85.3 | 89.1 | 91.2 | 90.7 | 91.1 | 91.0 | 93.6 | 95.3 | 95.8 | 98.3 | 97.4 | 96.1 | 94.5 | 92.1 | | | | 154.8 |
| BAR 29.5 HG | 500 | 83.6 | 86.9 | 90.4 | 90.3 | 90.8 | 93.0 | 94.2 | 96.4 | 96.0 | 98.3 | 96.2 | 94.5 | 92.7 | 90.2 | | | | 154.9 |
| (99583. N/M2) | 630 | 85.4 | 88.2 | 90.0 | 90.8 | 90.7 | 91.3 | 94.5 | 96.7 | 98.0 | 99.7 | 97.1 | 95.5 | 95.7 | 93.3 | | | | 154.8 |
| TAMB 61. DEG F | 800 | 85.7 | 89.5 | 90.7 | 91.3 | 92.3 | 92.9 | 95.6 | 96.6 | 98.0 | 99.9 | 98.5 | 96.4 | 95.3 | 94.5 | | | | 155.8 |
| (289. DEG K) | 1000 | 86.9 | 89.8 | 90.8 | 91.7 | 93.2 | 94.6 | 96.5 | 97.7 | 99.7 | 101.4 | 99.6 | 98.5 | 97.4 | 97.1 | | | | 156.4 |
| TWET 55. DEG F | 1250 | 87.9 | 91.4 | 91.9 | 93.2 | 94.1 | 95.8 | 97.1 | 98.7 | 101.1 | 101.6 | 100.8 | 100.4 | 99.6 | 99.4 | | | | 157.9 |
| (286. DEG K) | 1600 | 87.4 | 92.0 | 92.6 | 93.5 | 94.2 | 95.7 | 96.7 | 99.1 | 100.8 | 101.4 | 100.5 | 101.0 | 100.4 | 99.6 | | | | 159.2 |
| HACT 8.91 GM/M3 | 2000 | 85.7 | 91.5 | 92.6 | 93.1 | 93.6 | 94.5 | 95.6 | 98.3 | 99.9 | 100.6 | 99.2 | 98.7 | 98.5 | 98.3 | | | | 159.4 |
| (.00891 KG/M3) | 2500 | 84.3 | 90.6 | 91.3 | 92.6 | 92.3 | 92.3 | 93.9 | 97.2 | 97.0 | 96.5 | 97.2 | 96.5 | 96.5 | 96.1 | | | | 158.5 |
| FREQ. SHIFT | 3150 | 81.6 | 88.8 | 89.8 | 91.9 | 90.4 | 91.1 | 91.5 | 96.3 | 94.3 | 94.8 | 93.5 | 93.7 | 93.5 | 92.5 | | | | 156.6 |
| JET 9 | 4000 | 77.5 | 85.6 | 85.9 | 88.1 | 86.2 | 87.7 | 88.8 | 93.5 | 90.6 | 91.1 | 90.0 | 89.6 | 89.9 | 88.8 | | | | 155.0 |
| DIAMETER RATIO | 5000 | 73.7 | 80.1 | 81.9 | 84.4 | 82.7 | 83.0 | 84.2 | 91.4 | 86.7 | 87.3 | 85.7 | 84.7 | 86.4 | 87.1 | | | | 152.2 |
| DF/DM 8.00 | 6300 | 69.4 | 75.1 | 77.3 | 81.1 | 77.6 | 78.4 | 79.9 | 89.6 | 82.8 | 84.2 | 82.2 | 81.2 | 82.3 | 86.1 | | | | 149.2 |
| OVERALL CALCULATED | 8000 | 67.5 | 71.4 | 73.1 | 78.6 | 73.9 | 74.1 | 75.8 | 88.2 | 79.6 | 82.3 | 80.3 | 78.3 | 79.7 | 87.5 | | | | 147.5 |
| PND8 | 10000 | 67.2 | 67.5 | 69.1 | 76.6 | 70.4 | 71.0 | 72.0 | 88.0 | 77.9 | 83.1 | 79.2 | 78.2 | 78.2 | 89.4 | | | | 147.6 |
| | | 98.2 | 101.7 | 103.1 | 103.9 | 104.2 | 105.3 | 106.8 | 109.2 | 110.0 | 111.6 | 110.9 | 111.6 | 109.7 | 109.7 | | | | 150.1 |
| | | 108.4 | 113.2 | 114.4 | 115.8 | 115.5 | 116.2 | 117.5 | 121.1 | 120.9 | 122.1 | 121.0 | 120.8 | 120.1 | 120.0 | | | | 169.2 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | 50 | 58.1 | 56.9 | 61.5 | 63.2 | 65.7 | 71.2 | 68.7 | 72.0 | 70.3 | 72.1 | 68.7 | 71.9 | 72.6 | 69.8 | | |
| NO EGA | 63 | 54.4 | 58.7 | 63.2 | 64.3 | 67.0 | 69.0 | 69.8 | 72.6 | 70.2 | 70.2 | 71.6 | 75.5 | 67.6 | 69.6 | | |
| SIDELINE 2400. FT. | 80 | 59.0 | 62.5 | 63.8 | 64.7 | 68.7 | 69.1 | 69.1 | 72.0 | 70.9 | 71.4 | 74.6 | 77.8 | 72.4 | 72.7 | | |
| (731.52 M) | 100 | 61.8 | 67.1 | 69.4 | 71.1 | 71.9 | 72.3 | 74.9 | 76.4 | 75.2 | 78.6 | 80.2 | 83.7 | 77.0 | 74.7 | | |
| NFA 1. RPM | 125 | 61.2 | 65.7 | 70.7 | 69.3 | 69.8 | 72.7 | 73.5 | 76.1 | 78.9 | 81.9 | 79.9 | 77.4 | 73.8 | 67.1 | | |
| (0. RAD/SEC) | 160 | 61.2 | 67.5 | 70.4 | 73.0 | 72.2 | 74.6 | 76.4 | 77.8 | 79.4 | 79.8 | 79.4 | 77.8 | 72.9 | 65.1 | | |
| NFK 1. RPM | 200 | 61.0 | 65.4 | 67.5 | 70.3 | 71.9 | 73.7 | 74.7 | 76.2 | 75.1 | 76.5 | 75.4 | 73.4 | 66.8 | 63.5 | | |
| (0. RAD/SEC) | 250 | 60.9 | 64.7 | 66.9 | 70.8 | 72.1 | 71.7 | 74.5 | 75.9 | 77.1 | 78.2 | 76.6 | 74.7 | 68.7 | 61.0 | | |
| NFD 1. RPM | 315 | 61.0 | 65.1 | 70.1 | 70.3 | 72.0 | 73.3 | 74.1 | 77.5 | 76.4 | 79.2 | 76.1 | 72.3 | 67.3 | 59.8 | | |
| (0. RAD/SEC) | 400 | 59.2 | 65.8 | 69.8 | 70.5 | 71.7 | 72.2 | 74.9 | 76.5 | 76.4 | 78.1 | 75.9 | 72.8 | 68.4 | 61.4 | | |
| AIRFLOW RATIO | 500 | 56.8 | 63.1 | 68.6 | 69.7 | 71.2 | 73.8 | 75.2 | 77.2 | 76.3 | 77.8 | 74.4 | 70.7 | 66.0 | 58.5 | | |
| WF/WM 8.00 | 630 | 57.8 | 63.7 | 67.6 | 69.8 | 70.6 | 71.7 | 75.1 | 77.1 | 77.9 | 78.7 | 74.7 | 71.1 | 68.1 | 60.3 | | |
| | 800 | 56.9 | 64.2 | 67.6 | 69.7 | 71.7 | 72.8 | 75.7 | 76.5 | 77.3 | 78.2 | 75.4 | 71.0 | 66.5 | 59.9 | | |
| VEHICLE JENOTS | 1000 | 56.8 | 63.4 | 66.8 | 69.4 | 71.9 | 73.8 | 75.9 | 76.9 | 78.4 | 79.0 | 75.7 | 72.1 | 67.3 | 60.5 | | |
| CONFIG JE-000 | 1250 | 56.1 | 63.7 | 66.9 | 69.9 | 72.0 | 74.3 | 75.7 | 77.2 | 78.9 | 78.3 | 75.8 | 72.8 | 67.8 | 60.2 | | |
| LOC EVENDALE | 1600 | 53.2 | 62.5 | 66.1 | 68.9 | 70.8 | 73.0 | 74.3 | 76.4 | 77.4 | 76.8 | 74.0 | 71.5 | 66.2 | 56.8 | | |
| DATE 05-13-75 | 2000 | 48.6 | 59.8 | 64.2 | 66.9 | 68.8 | 70.4 | 71.8 | 74.3 | 75.1 | 74.4 | 70.8 | 67.0 | 61.4 | 51.2 | | |
| RUN DBTFMODEL10A | 2500 | 43.0 | 55.7 | 60.3 | 64.1 | 65.4 | 66.2 | 68.1 | 71.1 | 70.1 | 68.1 | 66.2 | 61.6 | 55.2 | 42.6 | | |
| TAPE X10130 | 3150 | 33.5 | 48.7 | 54.5 | 59.7 | 60.1 | 61.9 | 62.6 | 67.1 | 64.0 | 62.7 | 58.3 | 53.7 | 45.5 | 29.0 | | |
| FAN TIP SPEED | 4000 | 19.4 | 35.9 | 44.3 | 50.4 | 50.9 | 53.7 | 55.2 | 59.5 | 55.3 | 53.4 | 48.4 | 41.9 | 31.7 | 10.2 | | |
| FT/SEC | 5000 | 9.7 | 27.9 | 36.6 | 43.5 | 44.5 | 46.3 | 47.9 | 54.6 | 48.5 | 46.4 | 40.5 | 32.5 | 22.4 | | | |
| | 6300 | | 9.8 | 21.3 | 30.8 | 30.8 | 33.5 | 35.6 | 44.7 | 36.0 | 33.9 | 26.2 | 15.9 | 1.1 | | | |
| | 8000 | | | 0.5 | 13.8 | 13.9 | 16.8 | 19.3 | 30.8 | 19.7 | 17.5 | 7.7 | | | | | |
| | 10000 | | | | | | | 13.2 | | | | | | | | | |
| OVERALL CALCULATED | | 71.2 | 76.6 | 80.2 | 81.9 | 83.3 | 85.0 | 86.7 | 88.6 | 89.1 | 90.2 | 88.5 | 88.1 | 82.8 | 79.4 | | |
| PND8 | | 74.6 | 82.5 | 86.6 | 89.2 | 90.8 | 92.7 | 94.2 | 96.6 | 96.8 | 96.9 | 94.4 | 91.9 | 86.5 | 79.9 | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| REV. ALPHA 12/73 FREQ. | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 85.7 | 82.0 | 85.6 | 85.7 | 88.4 | 92.7 | 89.6 | 90.1 | 92.1 | 95.3 | 93.8 | 98.5 | 100.2 | 100.1 | | | 154.0 |
| RDG. NO. 0. | | 63 | 81.6 | 83.3 | 87.3 | 87.3 | 89.0 | 90.6 | 91.5 | 91.2 | 92.9 | 93.7 | 96.5 | 99.9 | 95.1 | 100.1 | | | 153.9 |
| RADIAL 320. FT. | | 80 | 87.6 | 88.0 | 87.5 | 86.5 | 89.7 | 89.5 | 89.9 | 91.4 | 92.9 | 94.7 | 98.5 | 101.6 | 98.2 | 104.3 | | | 155.8 |
| (98. M) | | 100 | 90.2 | 92.7 | 93.6 | 93.0 | 92.8 | 93.3 | 95.9 | 96.9 | 98.0 | 101.0 | 104.2 | 107.3 | 103.5 | 105.5 | | | 160.6 |
| VEHICLE JENOTS | | 125 | 90.6 | 91.6 | 95.0 | 92.4 | 92.5 | 95.4 | 95.7 | 97.1 | 102.4 | 105.6 | 104.7 | 102.4 | 101.3 | 99.2 | | | 160.5 |
| CONFIG JE-000 | | 160 | 91.0 | 94.2 | 96.4 | 97.0 | 96.2 | 98.2 | 99.9 | 101.2 | 103.9 | 104.6 | 104.8 | 105.7 | 103.7 | 99.2 | | | 162.0 |
| LOC EVENDALE | | 200 | 90.8 | 93.2 | 93.6 | 96.0 | 96.1 | 98.0 | 98.5 | 99.7 | 99.8 | 102.2 | 101.1 | 102.4 | 99.1 | 99.2 | | | 159.5 |
| DATE 05-13-75 | | 250 | 91.8 | 93.3 | 92.5 | 95.4 | 95.9 | 94.8 | 98.3 | 99.3 | 101.5 | 102.6 | 101.6 | 102.5 | 100.3 | 97.0 | | | 159.6 |
| RUN DBTFMODEL10A | | 315 | 92.0 | 93.3 | 96.7 | 95.9 | 97.3 | 98.4 | 99.1 | 101.6 | 103.0 | 104.0 | 102.7 | 101.9 | 100.6 | 96.5 | | | 160.8 |
| TAPE X10150 | | 400 | 91.0 | 94.6 | 96.5 | 96.4 | 96.8 | 96.5 | 99.6 | 100.8 | 102.5 | 104.1 | 102.9 | 101.8 | 100.8 | 97.1 | | | 160.7 |
| BAR 29.5 HG | | 500 | 89.6 | 92.6 | 95.4 | 95.8 | 96.3 | 98.5 | 100.0 | 101.1 | 102.7 | 104.3 | 102.5 | 101.0 | 98.7 | 95.5 | | | 160.7 |
| (99583. N/M2) | | 630 | 90.9 | 93.7 | 95.3 | 95.8 | 96.7 | 97.0 | 100.5 | 102.2 | 104.5 | 104.7 | 103.6 | 102.5 | 101.4 | 98.0 | | | 161.7 |
| TAMB 61. DEG F | | 800 | 90.7 | 94.5 | 95.2 | 96.0 | 97.6 | 98.1 | 101.6 | 101.6 | 103.7 | 104.1 | 103.0 | 102.6 | 101.0 | 99.0 | | | 161.6 |
| (289. DEG K) | | 1000 | 91.7 | 94.5 | 95.0 | 96.7 | 98.2 | 99.8 | 102.5 | 102.7 | 104.2 | 103.9 | 103.6 | 102.5 | 101.9 | 100.1 | | | 162.2 |
| TWET 55. DEG F | | 1250 | 93.4 | 96.6 | 96.9 | 97.9 | 99.4 | 101.0 | 102.8 | 103.5 | 105.6 | 104.8 | 104.0 | 104.7 | 103.3 | 101.4 | | | 163.4 |
| (286. DEG K) | | 1600 | 93.7 | 98.0 | 98.6 | 99.5 | 99.4 | 100.4 | 102.0 | 103.3 | 105.8 | 104.9 | 103.8 | 104.5 | 103.4 | 100.6 | | | 163.6 |
| HACT 8.91 GM/M3 | | 2000 | 92.4 | 98.2 | 99.6 | 100.3 | 99.8 | 99.7 | 101.6 | 102.3 | 104.1 | 103.0 | 101.7 | 103.0 | 101.0 | 99.1 | | | 162.7 |
| (00891 KG/M3) | | 2500 | 90.3 | 95.1 | 96.5 | 98.3 | 98.8 | 98.5 | 98.9 | 99.9 | 101.3 | 100.0 | 100.0 | 99.7 | 98.8 | 96.6 | | | 160.6 |
| FREQ. SHIFT | | 3150 | 87.1 | 92.0 | 93.8 | 96.4 | 95.6 | 96.4 | 97.0 | 97.0 | 98.3 | 97.6 | 97.0 | 96.9 | 96.0 | 93.5 | | | 158.4 |
| JET 9 | | 4000 | 82.5 | 88.1 | 89.4 | 91.6 | 91.2 | 93.0 | 94.0 | 94.5 | 95.1 | 94.6 | 93.5 | 93.3 | 92.4 | 89.8 | | | 155.7 |
| DIAMETER RATIO | | 5000 | 78.9 | 84.6 | 86.4 | 88.9 | 88.0 | 88.0 | 89.7 | 90.9 | 92.0 | 91.5 | 90.2 | 89.7 | 88.1 | 87.6 | | | 152.6 |
| DE/DM 8.00 | | 6300 | 74.9 | 80.1 | 82.6 | 85.1 | 83.6 | 84.1 | 86.1 | 87.1 | 88.3 | 89.5 | 88.0 | 87.2 | 85.0 | 86.9 | | | 150.6 |
| | | 8000 | 71.0 | 76.2 | 80.1 | 82.6 | 80.6 | 81.1 | 82.6 | 84.9 | 86.1 | 89.8 | 87.3 | 86.5 | 83.0 | 88.3 | | | 151.2 |
| | | 10000 | 69.0 | 72.3 | 78.1 | 81.1 | 78.6 | 80.5 | 80.8 | 83.7 | 82.9 | 91.4 | 87.9 | 87.2 | 80.7 | 89.6 | | | 153.8 |
| OVERALL CALCULATED | | | 103.6 | 106.9 | 108.3 | 109.1 | 109.6 | 110.5 | 112.3 | 113.3 | 115.3 | 115.8 | 115.2 | 115.7 | 113.8 | 112.9 | | | 173.8 |
| PNDB | | | 114.0 | 118.5 | 119.9 | 121.0 | 121.3 | 121.7 | 123.2 | 124.1 | 125.8 | 125.8 | 124.9 | 125.3 | 123.6 | 122.0 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30.
(0.52) | 40.
(0.70) | 50.
(0.87) | 60.
(1.05) | 70.
(1.22) | 80.
(1.40) | 90.
(1.57) | 100.
(1.75) | 110.
(1.92) | 120.
(2.09) | 130.
(2.27) | 140.
(2.44) | 150.
(2.62) | 160.
(2.79) | 0.
(0.) | 0.
(0.) | 0.
(0.) |
|--------------------------------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|------------|
| NO EGA | 50 | 61.8 | 60.4 | 65.5 | 66.7 | 70.2 | 74.9 | 71.9 | 72.3 | 73.8 | 76.4 | 73.7 | 76.9 | 76.4 | 72.8 | | | |
| SIDELINE 2400. FT.
(731.52 M) | 80 | 63.5 | 66.2 | 67.3 | 67.4 | 71.4 | 71.6 | 72.1 | 73.5 | 74.6 | 75.7 | 78.3 | 79.8 | 74.1 | 76.7 | | | |
| NFA | 100 | 66.0 | 70.8 | 73.4 | 73.9 | 74.4 | 75.3 | 78.1 | 78.9 | 79.7 | 81.9 | 84.0 | 85.4 | 79.3 | 77.7 | | | |
| (1. RPM | 125 | 66.2 | 69.7 | 74.7 | 73.3 | 74.1 | 77.4 | 77.8 | 79.1 | 83.9 | 86.4 | 84.4 | 80.4 | 77.0 | 71.1 | | | |
| (0. RAD/SEC) | 160 | 66.4 | 72.0 | 75.9 | 77.7 | 77.7 | 80.1 | 81.9 | 83.1 | 85.4 | 85.3 | 84.4 | 83.6 | 79.1 | 70.8 | | | |
| NFK | 200 | 66.0 | 70.9 | 73.0 | 76.5 | 77.4 | 79.7 | 80.4 | 81.5 | 81.1 | 82.8 | 80.4 | 80.1 | 74.3 | 70.5 | | | |
| (1. RPM | 250 | 66.7 | 70.7 | 71.7 | 75.8 | 77.1 | 76.4 | 80.0 | 80.9 | 82.6 | 83.0 | 80.8 | 79.9 | 75.2 | 67.8 | | | |
| (0. RAD/SEC) | 315 | 66.5 | 70.4 | 75.6 | 76.1 | 78.3 | 79.8 | 80.6 | 83.0 | 83.9 | 84.2 | 81.6 | 79.0 | 75.1 | 66.6 | | | |
| NFD | 400 | 64.9 | 71.3 | 75.0 | 76.3 | 77.5 | 77.7 | 80.9 | 82.0 | 83.2 | 83.9 | 81.4 | 78.5 | 74.7 | 66.4 | | | |
| (0. RAD/SEC) | 500 | 62.8 | 68.8 | 73.6 | 75.2 | 76.7 | 79.3 | 81.0 | 82.0 | 83.1 | 83.8 | 80.6 | 77.2 | 72.0 | 63.8 | | | |
| AIRFLOW RATIO | 630 | 63.3 | 69.2 | 72.9 | 74.8 | 76.6 | 77.4 | 81.1 | 82.6 | 84.4 | 83.7 | 81.2 | 78.1 | 73.8 | 65.1 | | | |
| WF/WM 8.00 | 800 | 61.9 | 69.2 | 72.1 | 74.4 | 76.9 | 78.0 | 81.7 | 81.5 | 83.1 | 82.5 | 79.9 | 77.3 | 72.3 | 64.4 | | | |
| VEHICLE JENOTS | 1000 | 61.6 | 68.1 | 71.1 | 74.4 | 76.9 | 79.1 | 81.9 | 81.9 | 82.9 | 81.5 | 79.7 | 76.1 | 71.8 | 63.5 | | | |
| CONFIG JE-000 | 1250 | 61.6 | 69.0 | 71.9 | 74.7 | 77.2 | 79.5 | 81.5 | 81.9 | 83.4 | 81.5 | 79.0 | 77.0 | 71.5 | 62.2 | | | |
| LOC. EVENDALE | 1600 | 59.5 | 68.5 | 72.1 | 74.9 | 76.1 | 77.7 | 79.5 | 80.7 | 82.4 | 80.3 | 77.2 | 75.0 | 69.2 | 57.8 | | | |
| DATE 05-13-75 | 2000 | 55.3 | 66.5 | 71.2 | 74.1 | 75.0 | 75.7 | 77.8 | 78.3 | 79.3 | 76.8 | 73.3 | 71.3 | 63.9 | 51.9 | | | |
| RUN DBTFMODEL10A | 2500 | 49.0 | 60.2 | 65.5 | 69.8 | 71.9 | 72.5 | 73.1 | 73.9 | 74.4 | 71.6 | 69.0 | 64.8 | 57.4 | 43.1 | | | |
| TAPE X10150 | 3150 | 39.0 | 52.0 | 58.5 | 64.2 | 65.3 | 67.1 | 68.1 | 67.8 | 68.0 | 65.4 | 61.8 | 56.9 | 48.0 | 30.0 | | | |
| FAN TIP SPEED | 4000 | 24.4 | 40.4 | 47.8 | 53.9 | 55.9 | 59.0 | 60.5 | 60.5 | 59.8 | 56.9 | 51.9 | 45.6 | 34.2 | 11.2 | | | |
| FT/SEC | 5000 | 14.9 | 32.4 | 41.1 | 48.0 | 49.8 | 51.3 | 53.4 | 54.1 | 53.8 | 50.6 | 45.0 | 37.5 | 24.1 | 0.3 | | | |
| | 6300 | | 14.8 | 26.6 | 34.8 | 36.8 | 39.2 | 41.8 | 42.2 | 41.5 | 39.2 | 31.9 | 21.9 | 3.8 | | | | |
| | 8000 | | | 7.5 | 17.8 | 20.6 | 23.8 | 26.1 | 27.6 | 26.2 | 25.0 | 14.7 | 1.1 | | | | | |
| | 10000 | | | | | 0.3 | 5.7 | 7.2 | 9.0 | 4.6 | 6.5 | | | | | | | |
| OVERALL CALCULATED | | 76.3 | 81.6 | 85.2 | 87.0 | 88.5 | 90.2 | 92.2 | 93.1 | 94.7 | 94.8 | 93.1 | 91.9 | 87.1 | 83.2 | | | |
| PNDDB | | 80.4 | 88.1 | 92.4 | 95.2 | 96.5 | 97.8 | 99.8 | 100.6 | 102.0 | 101.0 | 98.5 | 96.3 | 90.7 | 83.9 | | | |

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| | | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | | | | | PWL |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|--|-----|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | | 50 | 82.5 | 78.5 | 81.3 | 82.7 | 84.4 | 89.2 | 87.1 | 87.1 | 89.6 | 92.6 | 91.3 | 95.6 | 97.5 | 95.9 | | | 151.0 | | |
| RDG. NO. 0. | | 63 | 78.1 | 79.9 | 83.6 | 84.0 | 86.2 | 86.9 | 87.7 | 87.5 | 89.7 | 89.7 | 93.0 | 97.7 | 92.6 | 98.6 | | | 151.2 | | |
| RADIAL 320. FT. | | 80 | 83.1 | 83.0 | 83.2 | 81.5 | 85.5 | 85.5 | 85.1 | 87.4 | 89.7 | 91.5 | 96.7 | 100.6 | 97.0 | 101.9 | | | 153.7 | | |
| (98. M) | | 100 | 84.6 | 86.8 | 86.9 | 87.0 | 87.5 | 88.5 | 90.7 | 93.1 | 94.0 | 98.0 | 102.0 | 107.6 | 103.1 | 104.1 | | | 159.2 | | |
| VEHICLE JENOTS | | 125 | 84.9 | 85.7 | 88.8 | 86.9 | 87.0 | 89.9 | 90.9 | 92.6 | 97.9 | 102.1 | 102.7 | 101.8 | 100.0 | 97.3 | | | 157.6 | | |
| CONFIG JE-000 | | 160 | 85.9 | 88.1 | 90.1 | 91.8 | 90.5 | 91.9 | 93.9 | 94.9 | 99.2 | 100.9 | 101.8 | 102.4 | 99.6 | 94.9 | | | 157.7 | | |
| LOC EVENDALE | | 200 | 85.5 | 86.9 | 87.4 | 88.7 | 90.3 | 91.7 | 93.0 | 93.5 | 94.1 | 96.5 | 97.6 | 97.7 | 93.6 | 92.2 | | | 154.0 | | |
| DATE 05-13-75 | | 250 | 85.1 | 85.3 | 85.5 | 88.6 | 88.9 | 87.8 | 91.3 | 92.3 | 95.0 | 97.1 | 98.1 | 97.0 | 92.8 | 89.5 | | | 153.7 | | |
| RUN DBTFMODEL10A | | 315 | 84.8 | 84.6 | 88.0 | 87.9 | 88.6 | 89.9 | 90.6 | 93.6 | 94.3 | 97.0 | 96.2 | 95.2 | 91.2 | 87.5 | | | 153.1 | | |
| TAPE X10210 | | 400 | 83.2 | 85.3 | 86.7 | 87.2 | 87.5 | 87.0 | 90.1 | 91.8 | 93.5 | 96.1 | 94.9 | 93.2 | 91.4 | 89.0 | | | 152.0 | | |
| BAR 29.5 HG | | 500 | 80.6 | 83.6 | 85.4 | 86.3 | 86.8 | 89.3 | 90.0 | 91.1 | 93.2 | 95.1 | 93.2 | 90.7 | 88.0 | 86.0 | | | 151.1 | | |
| (99583. N/M2) | | 630 | 82.5 | 84.5 | 85.3 | 86.5 | 86.4 | 86.5 | 90.0 | 91.4 | 93.7 | 95.4 | 93.4 | 92.3 | 90.5 | 88.3 | | | 151.5 | | |
| TAMB 62. DEG F | | 800 | 82.3 | 85.4 | 86.4 | 86.5 | 87.3 | 87.6 | 90.6 | 90.8 | 93.2 | 95.1 | 93.3 | 92.5 | 90.9 | 89.4 | | | 151.5 | | |
| (290. DEG K) | | 1000 | 83.2 | 86.0 | 86.0 | 87.5 | 88.0 | 88.8 | 90.4 | 90.9 | 93.5 | 95.6 | 94.1 | 93.9 | 92.6 | 91.8 | | | 152.3 | | |
| TWET 56. DEG F | | 1250 | 82.7 | 87.2 | 86.6 | 87.4 | 88.1 | 89.0 | 89.8 | 91.4 | 94.5 | 95.0 | 94.3 | 94.5 | 93.9 | 92.8 | | | 152.7 | | |
| (286. DEG K) | | 1600 | 81.2 | 86.8 | 86.3 | 87.3 | 88.2 | 88.7 | 89.2 | 91.1 | 93.7 | 94.6 | 93.0 | 94.3 | 93.7 | 91.9 | | | 152.4 | | |
| HACT 8.91 GM/M3 | | 2000 | 79.1 | 84.4 | 85.2 | 86.8 | 86.8 | 87.2 | 88.6 | 90.6 | 92.8 | 93.0 | 91.9 | 92.4 | 90.9 | 90.2 | | | 151.2 | | |
| (00891 KG/M3) | | 2500 | 76.3 | 82.3 | 83.0 | 84.3 | 85.0 | 85.2 | 86.3 | 87.9 | 90.5 | 90.2 | 89.7 | 89.2 | 88.3 | 87.8 | | | 149.1 | | |
| FREQ. SHIFT | | 3150 | 73.6 | 80.1 | 81.0 | 82.6 | 81.8 | 82.8 | 84.2 | 85.2 | 87.5 | 88.0 | 86.2 | 86.0 | 85.9 | 84.8 | | | 146.9 | | |
| JET 9 | | 4000 | 68.7 | 75.3 | 76.9 | 79.1 | 78.1 | 79.9 | 81.0 | 82.2 | 82.8 | 84.0 | 82.7 | 82.0 | 81.1 | 82.0 | | | 143.8 | | |
| DIAMETER RATIO | | 5000 | 65.8 | 71.8 | 73.1 | 76.1 | 74.9 | 74.5 | 76.2 | 77.1 | 78.5 | 80.3 | 78.0 | 77.0 | 76.7 | 82.7 | | | 140.3 | | |
| DF/DH 8.00 | | 6300 | 61.4 | 67.4 | 69.6 | 73.1 | 70.5 | 70.1 | 71.8 | 73.3 | 73.8 | 78.9 | 76.2 | 74.7 | 74.8 | 84.7 | | | 139.5 | | |
| OVERALL CALCULATED | | 8000 | 59.6 | 63.1 | 67.3 | 72.5 | 68.3 | 67.9 | 69.3 | 71.7 | 69.4 | 80.0 | 76.8 | 75.9 | 75.8 | 87.7 | | | 142.4 | | |
| PNDB | | 10000 | 61.1 | 60.2 | 66.6 | 72.1 | 68.9 | 69.0 | 69.8 | 72.0 | 67.9 | 81.9 | 78.7 | 78.8 | 78.8 | 90.5 | | | 147.3 | | |
| | | | 95.8 | 97.9 | 99.0 | 99.9 | 100.3 | 101.4 | 102.9 | 104.2 | 106.8 | 109.1 | 109.7 | 111.6 | 108.5 | 108.8 | | | 166.7 | | |
| | | | 103.3 | 107.3 | 108.2 | 109.6 | 109.8 | 110.4 | 111.8 | 113.4 | 115.5 | 117.0 | 116.3 | 116.7 | 115.1 | 115.0 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 58.6 | 56.9 | 61.3 | 63.7 | 66.2 | 71.4 | 69.4 | 69.3 | 71.3 | 73.6 | 71.2 | 74.0 | 73.7 | 68.6 | | | |
| | | 63 | 54.2 | 58.2 | 63.5 | 65.0 | 68.0 | 69.0 | 70.0 | 69.6 | 71.4 | 70.7 | 72.9 | 76.0 | 68.7 | 71.2 | | | |
| SIDELINE 2400. FT. | | 80 | 59.1 | 61.3 | 63.1 | 62.4 | 67.2 | 67.6 | 67.4 | 69.5 | 71.4 | 72.4 | 76.6 | 78.9 | 72.9 | 74.3 | | | |
| (731.52 M) | | 100 | 60.4 | 64.9 | 66.7 | 67.9 | 69.1 | 70.6 | 72.9 | 75.2 | 75.7 | 78.9 | 81.7 | 85.8 | 78.9 | 76.3 | | | |
| NFA 1. RPM | | 125 | 60.6 | 63.8 | 68.4 | 67.8 | 68.6 | 71.9 | 73.0 | 74.6 | 79.4 | 82.9 | 82.4 | 79.8 | 75.6 | 69.3 | | | |
| (0. RAD/SEC) | | 160 | 61.3 | 66.0 | 69.6 | 72.5 | 71.9 | 73.8 | 75.9 | 76.8 | 80.6 | 81.6 | 81.4 | 80.3 | 75.0 | 66.5 | | | |
| NFK 1. RPM | | 200 | 60.7 | 64.6 | 66.8 | 69.3 | 71.6 | 73.5 | 74.9 | 75.2 | 75.4 | 77.0 | 76.9 | 75.3 | 68.8 | 63.4 | | | |
| (0. RAD/SEC) | | 250 | 60.0 | 62.8 | 64.7 | 69.0 | 70.1 | 69.4 | 73.0 | 73.9 | 76.1 | 77.5 | 77.3 | 74.4 | 67.7 | 60.3 | | | |
| NFD 1. RPM | | 315 | 59.3 | 61.7 | 66.9 | 68.1 | 69.5 | 71.3 | 72.1 | 75.0 | 75.2 | 77.2 | 75.1 | 72.3 | 65.6 | 57.7 | | | |
| (0. RAD/SEC) | | 400 | 57.1 | 62.0 | 65.3 | 67.0 | 68.2 | 68.2 | 71.4 | 73.0 | 74.2 | 75.9 | 73.4 | 69.9 | 65.3 | 58.3 | | | |
| AIRFLOW RATIO | | 500 | 53.8 | 59.8 | 63.6 | 65.7 | 67.2 | 70.1 | 71.0 | 72.0 | 73.6 | 74.6 | 71.4 | 66.9 | 61.2 | 54.3 | | | |
| WF/W 8.00 | | 630 | 54.8 | 60.0 | 62.9 | 65.5 | 66.4 | 66.9 | 70.6 | 71.9 | 73.7 | 74.4 | 71.0 | 67.9 | 62.8 | 55.4 | | | |
| | | 800 | 53.6 | 60.1 | 63.3 | 64.9 | 66.7 | 67.5 | 70.7 | 70.7 | 72.6 | 73.5 | 70.2 | 67.2 | 62.1 | 54.8 | | | |
| VEHICLE JENOTS | | 1000 | 53.1 | 59.6 | 62.0 | 65.1 | 66.6 | 68.0 | 69.9 | 70.1 | 72.1 | 73.3 | 70.2 | 67.6 | 62.5 | 55.2 | | | |
| CONFIG JE-000 | | 1250 | 50.9 | 59.5 | 61.6 | 64.1 | 65.9 | 67.5 | 68.4 | 69.9 | 72.4 | 71.8 | 69.3 | 66.8 | 62.1 | 53.6 | | | |
| LOC EVENDALE | | 1600 | 47.0 | 57.3 | 59.8 | 62.7 | 64.8 | 66.0 | 66.7 | 68.4 | 70.4 | 70.0 | 66.5 | 64.8 | 59.5 | 49.0 | | | |
| DATE 05-13-75 | | 2000 | 42.0 | 52.7 | 56.8 | 60.6 | 62.0 | 63.1 | 64.7 | 66.5 | 68.0 | 66.8 | 63.5 | 60.7 | 53.8 | 43.1 | | | |
| RUN DBT MODEL 10A | | 2500 | 35.0 | 47.4 | 52.0 | 55.8 | 58.1 | 59.2 | 60.6 | 61.8 | 63.6 | 61.8 | 58.7 | 54.3 | 47.0 | 34.4 | | | |
| TAPE X10210 | | 3150 | 25.6 | 40.1 | 45.7 | 50.4 | 51.5 | 53.6 | 55.3 | 56.0 | 57.2 | 55.9 | 51.0 | 46.0 | 37.8 | 21.4 | | | |
| FAN TIP SPEED | | 4000 | 10.6 | 27.6 | 35.3 | 41.4 | 42.8 | 45.9 | 47.4 | 48.2 | 47.5 | 46.3 | 41.1 | 34.3 | 22.9 | 3.4 | | | |
| FT/SEC | | 5000 | 1.8 | 19.6 | 27.8 | 35.2 | 36.7 | 37.7 | 39.9 | 40.3 | 40.2 | 39.4 | 32.7 | 24.9 | 12.7 | | | | |
| | | 6300 | | 2.1 | 13.5 | 22.8 | 23.7 | 25.2 | 27.6 | 28.4 | 27.0 | 28.6 | 20.2 | 9.4 | | | | | |
| | | 8000 | | | | 7.8 | 8.4 | 10.5 | 12.8 | 14.3 | 9.4 | 15.3 | 4.2 | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 70.0 | 74.0 | 77.3 | 79.3 | 80.6 | 82.3 | 83.9 | 85.1 | 87.3 | 89.0 | 88.8 | 89.3 | 83.5 | 80.4 | | | |
| PND | | | 71.9 | 78.1 | 81.4 | 84.2 | 85.9 | 87.3 | 88.9 | 90.2 | 92.1 | 92.9 | 91.5 | 91.1 | 84.6 | 79.1 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | PWL |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|--|-------|-----|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | | 50 | 86.5 | 82.5 | 85.1 | 85.9 | 87.9 | 92.7 | 89.8 | 90.1 | 92.3 | 95.8 | 95.3 | 99.8 | 101.0 | 101.2 | | | | 154.8 | |
| RDG. NO. 0. | | 63 | 81.6 | 83.4 | 86.8 | 87.0 | 89.5 | 89.6 | 91.0 | 90.7 | 92.9 | 92.9 | 96.7 | 100.4 | 95.4 | 100.1 | | | | 154.0 | |
| RADIAL 320. FT. | | 80 | 86.9 | 86.5 | 87.0 | 85.2 | 89.0 | 89.0 | 89.1 | 90.9 | 92.2 | 95.0 | 99.5 | 102.6 | 98.5 | 103.9 | | | | 156.1 | |
| (98. M) | | 100 | 88.6 | 91.0 | 92.1 | 91.8 | 91.5 | 92.3 | 94.9 | 96.6 | 97.3 | 101.3 | 104.5 | 108.6 | 104.3 | 106.3 | | | | 161.2 | |
| VEHICLE JENOTS | | 125 | 88.7 | 90.0 | 93.5 | 90.9 | 90.8 | 93.4 | 93.9 | 96.1 | 100.9 | 105.3 | 105.0 | 102.5 | 100.7 | 98.8 | | | | 160.1 | |
| CONFIG JE-000 | | 160 | 89.4 | 92.6 | 94.6 | 95.8 | 94.2 | 96.4 | 97.9 | 98.9 | 102.2 | 103.4 | 103.8 | 103.6 | 101.1 | 96.6 | | | | 160.3 | |
| LOC EVENDALE | | 200 | 89.7 | 91.7 | 92.1 | 93.2 | 94.1 | 96.2 | 97.3 | 97.0 | 97.6 | 99.7 | 100.3 | 99.7 | 95.8 | 95.9 | | | | 157.3 | |
| DATE 05-13-75 | | 250 | 89.3 | 90.3 | 90.0 | 93.1 | 93.9 | 92.3 | 95.3 | 96.8 | 99.5 | 100.9 | 99.9 | 99.8 | 96.8 | 93.5 | | | | 157.3 | |
| RUN DBTFMODEL10A | | 315 | 90.1 | 90.6 | 93.2 | 93.2 | 94.3 | 95.1 | 96.1 | 98.6 | 99.0 | 101.5 | 100.2 | 98.2 | 96.5 | 92.8 | | | | 157.7 | |
| TAPE X10230 | | 400 | 88.4 | 91.8 | 93.0 | 92.9 | 93.8 | 93.3 | 95.6 | 97.3 | 98.8 | 101.8 | 99.9 | 98.7 | 97.7 | 96.0 | | | | 157.6 | |
| BAR 29.5 HG | | 500 | 86.4 | 89.9 | 92.2 | 92.2 | 93.3 | 95.5 | 96.2 | 97.9 | 99.0 | 101.3 | 99.7 | 98.0 | 95.5 | 93.0 | | | | 157.5 | |
| (99550. N/M2) | | 630 | 88.7 | 91.5 | 92.3 | 92.8 | 93.9 | 93.7 | 97.0 | 98.7 | 100.2 | 101.4 | 100.9 | 99.3 | 98.0 | 96.1 | | | | 158.3 | |
| TAMB 62. DEG F | | 800 | 88.6 | 91.9 | 92.4 | 93.0 | 94.8 | 94.9 | 98.1 | 98.3 | 100.2 | 101.6 | 100.5 | 99.5 | 97.9 | 97.7 | | | | 158.6 | |
| (290. DEG K) | | 1000 | 89.9 | 92.5 | 92.2 | 94.0 | 95.5 | 96.3 | 98.7 | 99.4 | 101.5 | 102.4 | 101.6 | 101.2 | 100.3 | 100.1 | | | | 159.8 | |
| TWET 56. DEG F | | 1250 | 91.2 | 94.4 | 94.1 | 95.1 | 96.8 | 97.3 | 99.3 | 100.9 | 103.3 | 103.8 | 102.8 | 102.7 | 102.4 | 102.3 | | | | 161.4 | |
| (286. DEG K) | | 1600 | 91.2 | 94.8 | 95.0 | 95.8 | 96.4 | 97.4 | 98.9 | 100.8 | 103.2 | 103.3 | 102.7 | 103.5 | 103.2 | 102.1 | | | | 161.7 | |
| HACT 8.91 GM/M3 | | 2000 | 89.8 | 95.1 | 95.4 | 96.2 | 96.3 | 96.7 | 98.3 | 100.0 | 101.6 | 101.5 | 101.1 | 101.9 | 100.6 | 100.7 | | | | 160.6 | |
| (00891 KG/M3) | | 2500 | 88.5 | 93.6 | 94.7 | 95.8 | 95.3 | 94.7 | 96.1 | 97.1 | 99.0 | 98.7 | 99.1 | 98.7 | 97.8 | 97.8 | | | | 158.6 | |
| FREQ. SHIFT | | 3150 | 85.6 | 91.1 | 91.9 | 93.8 | 93.3 | 93.3 | 93.7 | 94.5 | 96.5 | 96.5 | 96.0 | 96.0 | 95.4 | 94.1 | | | | 156.6 | |
| JET 9 | | 4000 | 80.2 | 86.0 | 87.1 | 89.0 | 88.1 | 91.0 | 91.0 | 91.7 | 92.6 | 93.0 | 92.4 | 91.5 | 91.3 | 90.5 | | | | 153.6 | |
| DIAMETER RATIO | | 5000 | 76.6 | 82.0 | 84.3 | 86.1 | 84.9 | 84.7 | 86.4 | 87.3 | 88.9 | 88.5 | 88.4 | 87.6 | 87.2 | 87.7 | | | | 149.9 | |
| DF/DM 8.00 | | 6300 | 72.2 | 77.1 | 79.1 | 82.9 | 79.3 | 81.1 | 82.6 | 83.3 | 84.5 | 85.4 | 85.2 | 83.5 | 84.3 | 86.7 | | | | 147.5 | |
| OVERALL CALCULATED | | 8000 | 69.6 | 73.6 | 74.8 | 80.3 | 75.3 | 78.9 | 79.6 | 81.4 | 81.9 | 82.5 | 82.3 | 80.4 | 81.6 | 88.4 | | | | 147.1 | |
| PNDB | | 10000 | 69.8 | 70.7 | 70.9 | 75.9 | 71.4 | 78.7 | 79.3 | 82.0 | 79.4 | 82.4 | 81.2 | 80.0 | 80.8 | 91.0 | | | | 149.7 | |
| | | | 101.7 | 104.6 | 105.6 | 106.3 | 106.9 | 107.7 | 109.3 | 110.7 | 112.7 | 114.2 | 114.1 | 114.7 | 112.6 | 112.9 | | | | 171.8 | |
| | | | 112.1 | 116.1 | 117.2 | 118.3 | 118.2 | 118.6 | 120.1 | 121.5 | 123.2 | 123.9 | 123.6 | 123.7 | 122.6 | 122.4 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| 50 | | 62.6 | 60.9 | 65.0 | 67.0 | 69.7 | 74.9 | 72.2 | 72.3 | 74.1 | 76.9 | 75.2 | 78.2 | 77.2 | 73.9 | | | | |
| NO EGA | | 63 | 57.7 | 61.7 | 66.7 | 68.0 | 71.2 | 71.8 | 73.3 | 72.9 | 74.7 | 74.0 | 76.6 | 78.8 | 71.4 | 72.7 | | | |
| SIDELINE 2400. FT. | | 80 | 62.9 | 64.8 | 66.8 | 66.2 | 70.7 | 71.1 | 71.4 | 73.0 | 73.9 | 75.9 | 79.3 | 80.9 | 74.4 | 76.3 | | | |
| (731.52 M) | | 100 | 64.4 | 69.2 | 71.9 | 72.6 | 73.1 | 74.3 | 77.1 | 78.7 | 78.9 | 82.1 | 84.2 | 86.8 | 80.1 | 78.5 | | | |
| NFA 1. RPM | | 125 | 64.4 | 68.0 | 73.2 | 71.8 | 72.3 | 75.4 | 76.0 | 78.1 | 82.4 | 86.1 | 84.6 | 80.6 | 76.4 | 70.8 | | | |
| (0. RAD/SEC) | | 160 | 64.8 | 70.5 | 74.1 | 76.5 | 75.7 | 78.3 | 79.9 | 80.8 | 83.6 | 84.1 | 83.4 | 81.5 | 76.5 | 68.2 | | | |
| NFK 1. RPM | | 200 | 64.9 | 69.3 | 71.5 | 73.8 | 75.4 | 78.0 | 79.2 | 78.7 | 78.9 | 80.3 | 79.7 | 77.3 | 71.0 | 67.2 | | | |
| (0. RAD/SEC) | | 250 | 64.2 | 67.8 | 69.2 | 73.5 | 75.1 | 73.9 | 77.0 | 78.4 | 80.6 | 81.2 | 79.1 | 77.2 | 71.7 | 64.3 | | | |
| NFD 1. RPM | | 315 | 64.5 | 67.7 | 72.1 | 73.3 | 75.3 | 76.5 | 77.6 | 80.0 | 79.9 | 81.7 | 79.1 | 75.3 | 70.9 | 62.9 | | | |
| (0. RAD/SEC) | | 400 | 62.3 | 68.5 | 71.5 | 72.7 | 74.5 | 74.4 | 76.9 | 78.5 | 79.4 | 81.6 | 78.4 | 75.4 | 71.6 | 65.3 | | | |
| AIRFLOW RATIO | | 500 | 59.6 | 66.1 | 70.3 | 71.7 | 73.7 | 76.3 | 77.2 | 78.7 | 79.3 | 80.8 | 77.9 | 74.2 | 68.7 | 61.3 | | | |
| WF/WM 8.00 | | 630 | 61.1 | 67.0 | 69.9 | 71.8 | 73.9 | 74.2 | 77.6 | 79.1 | 80.2 | 80.4 | 78.5 | 74.9 | 70.3 | 63.1 | | | |
| 800 | | 59.8 | 66.6 | 69.3 | 71.4 | 74.1 | 74.8 | 78.2 | 78.2 | 79.6 | 80.0 | 77.4 | 74.2 | 69.1 | 63.0 | | | | |
| VEHICLE JENOTS | | 1000 | 59.8 | 66.1 | 68.3 | 71.6 | 74.1 | 75.5 | 78.1 | 78.6 | 80.1 | 80.0 | 77.7 | 74.8 | 70.2 | 63.4 | | | |
| CONFIG JE-000 | | 1250 | 59.4 | 66.8 | 69.1 | 71.9 | 74.7 | 75.7 | 77.9 | 79.4 | 81.1 | 80.5 | 77.8 | 75.1 | 70.6 | 63.1 | | | |
| LOC EVENDALE | | 1600 | 57.0 | 65.3 | 68.5 | 71.2 | 73.0 | 74.7 | 76.5 | 78.1 | 79.9 | 78.7 | 76.2 | 74.0 | 69.0 | 59.3 | | | |
| DATE 05-13-75 | | 2000 | 52.7 | 63.4 | 67.1 | 70.1 | 71.4 | 72.6 | 74.5 | 76.0 | 76.8 | 75.3 | 72.8 | 70.2 | 63.5 | 53.6 | | | |
| RUN DBTFMODEL10A | | 2500 | 47.2 | 58.7 | 63.7 | 67.3 | 68.4 | 68.7 | 70.3 | 71.1 | 72.1 | 70.2 | 68.2 | 63.8 | 56.5 | 44.4 | | | |
| TAPE X10230 | | 3150 | 37.6 | 51.1 | 56.7 | 61.6 | 63.0 | 64.1 | 64.8 | 65.2 | 66.2 | 64.4 | 60.8 | 56.0 | 47.3 | 30.6 | | | |
| FAN TIP SPEED | | 4000 | 22.1 | 38.3 | 45.5 | 51.4 | 52.8 | 57.0 | 57.4 | 57.7 | 57.3 | 55.3 | 50.9 | 43.8 | 33.2 | 11.9 | | | |
| FT/SEC | | 5000 | 12.6 | 29.8 | 39.1 | 45.2 | 46.7 | 48.0 | 50.1 | 50.6 | 50.7 | 47.6 | 43.2 | 35.4 | 23.2 | 0.4 | | | |
| 6300 | | | | 11.8 | 23.0 | 32.6 | 32.5 | 36.2 | 38.3 | 38.4 | 37.7 | 35.1 | 29.2 | 18.2 | 3.1 | | | | |
| 8000 | | | | | 2.2 | 15.6 | 15.4 | 21.5 | 23.1 | 24.0 | 21.9 | 17.8 | 9.7 | | | | | | |
| 10000 | | | | | | | 4.0 | 5.7 | 7.2 | 1.1 | | | | | | | | | |
| OVERALL CALCULATED | | | 74.6 | 79.4 | 82.7 | 84.5 | 86.1 | 87.6 | 89.4 | 90.5 | 92.1 | 93.3 | 92.1 | 91.3 | 86.0 | 83.0 | | | |
| PNDB | | | 78.2 | 85.6 | 89.3 | 91.9 | 93.6 | 94.9 | 96.7 | 98.0 | 99.4 | 99.3 | 97.2 | 94.9 | 89.4 | 83.7 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 90.2 | 86.8 | 88.8 | 89.7 | 91.9 | 96.0 | 93.8 | 93.6 | 96.1 | 99.6 | 99.3 | 104.3 | 104.8 | 105.7 | | | 158.9 |
| | | 63 | 86.6 | 87.6 | 91.3 | 91.3 | 93.0 | 93.4 | 94.2 | 94.5 | 97.7 | 98.2 | 101.7 | 105.4 | 101.1 | 106.1 | | | 159.0 |
| RDG. NO. 0. | | 80 | 91.1 | 90.5 | 91.2 | 89.7 | 92.2 | 93.0 | 92.9 | 95.6 | 97.7 | 99.7 | 104.2 | 107.1 | 105.0 | 111.6 | | | 161.7 |
| RADIAL 320. FT. | | 100 | 93.1 | 95.0 | 95.1 | 95.0 | 95.3 | 96.5 | 99.2 | 101.1 | 102.0 | 106.5 | 109.7 | 113.1 | 110.8 | 113.6 | | | 166.5 |
| (98. M) | | 125 | 93.9 | 94.2 | 97.0 | 95.4 | 95.3 | 98.2 | 98.9 | 101.6 | 106.6 | 110.8 | 110.2 | 107.8 | 108.2 | 107.0 | | | 165.7 |
| VEHICLE JENOTS | | 160 | 94.7 | 97.1 | 98.9 | 100.5 | 99.2 | 101.7 | 102.9 | 103.9 | 107.9 | 109.9 | 109.6 | 110.9 | 110.1 | 106.4 | | | 166.6 |
| CONFIG JE-000 | | 200 | 95.7 | 96.9 | 97.1 | 98.5 | 99.8 | 101.5 | 102.0 | 103.0 | 104.3 | 106.0 | 106.6 | 107.2 | 105.1 | 104.9 | | | 163.7 |
| LOC EVENDALE | | 250 | 95.1 | 95.6 | 96.3 | 99.1 | 99.2 | 98.3 | 101.5 | 102.8 | 106.0 | 107.6 | 107.1 | 108.8 | 107.1 | 104.3 | | | 164.5 |
| DATE 05-13-75 | | 315 | 95.6 | 96.3 | 98.7 | 98.4 | 99.8 | 101.1 | 101.8 | 105.1 | 106.3 | 108.8 | 107.7 | 107.0 | 106.7 | 102.8 | | | 165.0 |
| RUN DBTFMODEL10A | | 400 | 95.2 | 98.5 | 99.2 | 99.4 | 99.8 | 99.5 | 102.4 | 104.3 | 106.3 | 108.1 | 107.1 | 107.0 | 107.2 | 103.5 | | | 164.8 |
| TAPE X10250 | | 500 | 93.4 | 96.6 | 98.4 | 99.0 | 99.6 | 102.3 | 102.7 | 104.1 | 106.5 | 108.6 | 106.7 | 106.0 | 105.0 | 101.7 | | | 164.7 |
| BAR 29.5 HG | | 630 | 94.5 | 96.5 | 97.8 | 98.8 | 99.7 | 100.0 | 102.7 | 105.4 | 107.5 | 108.2 | 107.6 | 107.1 | 106.2 | 104.1 | | | 165.2 |
| (99583. N/M2) | | 800 | 93.6 | 96.6 | 97.2 | 98.3 | 100.3 | 101.1 | 103.6 | 104.5 | 107.0 | 107.1 | 106.5 | 106.5 | 104.2 | 102.2 | | | 164.6 |
| TAMB 62. DEG F | | 1000 | 93.9 | 96.7 | 97.5 | 99.0 | 100.7 | 101.8 | 103.7 | 104.4 | 106.7 | 106.9 | 106.1 | 106.2 | 103.8 | 102.3 | | | 164.6 |
| (290. DEG K) | | 1250 | 94.7 | 98.9 | 99.1 | 99.9 | 101.4 | 102.3 | 103.8 | 104.9 | 106.8 | 106.8 | 106.8 | 106.2 | 104.2 | 103.3 | | | 165.0 |
| TWET 56. DEG F | | 1600 | 94.7 | 100.5 | 100.8 | 101.8 | 101.7 | 102.2 | 103.5 | 104.6 | 106.2 | 106.3 | 104.7 | 105.8 | 104.0 | 102.4 | | | 164.9 |
| (286. DEG K) | | 2000 | 93.1 | 99.1 | 100.7 | 101.8 | 102.0 | 101.9 | 102.1 | 104.1 | 105.1 | 104.5 | 103.4 | 103.6 | 102.4 | 100.0 | | | 164.0 |
| HACT 8.91 GM/M3 | | 2500 | 90.0 | 95.8 | 97.0 | 99.3 | 100.0 | 100.0 | 100.3 | 101.4 | 102.2 | 101.5 | 100.9 | 100.5 | 99.3 | 97.8 | | | 161.7 |
| (00891 KG/M3) | | 3150 | 86.6 | 92.6 | 94.5 | 96.8 | 96.6 | 97.3 | 98.0 | 98.5 | 99.5 | 99.3 | 98.0 | 97.8 | 97.4 | 94.6 | | | 159.5 |
| FREQ. SHIFT | | 4000 | 82.0 | 88.3 | 90.9 | 93.1 | 92.1 | 94.4 | 94.7 | 95.4 | 96.3 | 96.3 | 95.2 | 94.8 | 93.8 | 90.5 | | | 157.0 |
| JET 9 | | 5000 | 78.6 | 84.8 | 87.8 | 90.4 | 88.9 | 89.2 | 90.7 | 91.8 | 93.7 | 92.8 | 91.7 | 90.6 | 90.5 | 88.7 | | | 153.9 |
| DIAMETER RATIO | | 6300 | 73.7 | 81.1 | 83.6 | 87.4 | 84.5 | 85.6 | 87.1 | 88.0 | 90.8 | 91.4 | 89.4 | 87.7 | 88.0 | 88.2 | | | 152.3 |
| DE/DM 8.00 | | 8000 | 70.6 | 79.1 | 80.6 | 84.8 | 81.8 | 82.4 | 83.8 | 86.7 | 88.9 | 90.8 | 88.3 | 87.6 | 87.8 | 88.7 | | | 152.7 |
| | | 10000 | 70.3 | 77.7 | 78.6 | 86.6 | 80.4 | 81.2 | 81.3 | 85.0 | 88.4 | 91.4 | 88.9 | 89.3 | 88.8 | 90.7 | | | 155.6 |
| OVERALL CALCULATED | | | 106.4 | 109.3 | 110.4 | 111.4 | 112.0 | 113.0 | 114.4 | 115.9 | 118.4 | 119.6 | 119.3 | 120.1 | 118.8 | 118.9 | | | 177.1 |
| PNDB | | | 115.6 | 120.1 | 121.6 | 122.9 | 123.1 | 123.7 | 124.6 | 126.1 | 127.8 | 128.2 | 127.4 | 127.7 | 126.5 | 125.0 | | | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|------------------|---|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|----|----|----|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | (0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.14)(3.49) | | | | | | | | | | | | | | | | | |
| NO EGA | | 50 | 66.4 | 65.2 | 68.8 | 70.7 | 73.7 | 78.2 | 76.2 | 75.8 | 77.8 | 80.6 | 79.2 | 82.7 | 80.9 | 78.4 | | | |
| SIDELINE 2400. FT. | | 63 | 62.7 | 66.0 | 71.2 | 72.3 | 74.7 | 75.5 | 76.5 | 76.6 | 79.4 | 79.2 | 81.6 | 83.8 | 77.2 | 78.7 | | | |
| (731.52 M) | | 80 | 67.1 | 68.8 | 71.1 | 70.7 | 73.9 | 75.1 | 75.1 | 77.7 | 79.4 | 80.7 | 84.1 | 85.4 | 80.9 | 84.0 | | | |
| NFA | | 100 | 68.9 | 73.2 | 74.9 | 75.9 | 76.9 | 78.6 | 81.4 | 83.2 | 83.7 | 87.4 | 89.5 | 91.3 | 86.6 | 85.8 | | | |
| 1. RPM | | 125 | 69.6 | 72.3 | 76.7 | 76.3 | 76.8 | 80.2 | 81.0 | 83.6 | 88.2 | 91.6 | 89.9 | 85.8 | 83.9 | 79.0 | | | |
| (0. RAD/SEC) | | 160 | 70.1 | 75.0 | 78.4 | 81.2 | 80.7 | 83.6 | 84.9 | 85.8 | 89.4 | 90.6 | 89.1 | 88.8 | 85.5 | 78.0 | | | |
| NFK | | 200 | 70.9 | 74.6 | 76.5 | 79.0 | 81.1 | 83.2 | 83.9 | 84.7 | 85.6 | 86.5 | 85.9 | 84.8 | 80.3 | 76.2 | | | |
| (0. RAD/SEC) | | 250 | 70.0 | 73.0 | 75.4 | 79.5 | 80.4 | 79.9 | 83.3 | 84.4 | 87.1 | 88.0 | 86.3 | 86.2 | 82.0 | 75.0 | | | |
| NFD | | 315 | 70.0 | 73.5 | 77.6 | 78.6 | 80.8 | 82.5 | 83.4 | 86.5 | 87.2 | 88.9 | 86.6 | 84.1 | 81.1 | 72.9 | | | |
| (0. RAD/SEC) | | 400 | 69.1 | 75.2 | 77.8 | 79.2 | 80.5 | 80.7 | 83.7 | 85.5 | 86.9 | 87.9 | 85.7 | 83.7 | 81.1 | 72.8 | | | |
| AIRFLOW RATIO | | 500 | 66.6 | 72.8 | 76.6 | 78.5 | 79.9 | 83.1 | 83.7 | 85.0 | 86.8 | 88.1 | 84.9 | 82.2 | 78.2 | 70.0 | | | |
| WF/WM 8.00 | | 630 | 66.8 | 72.0 | 75.4 | 77.8 | 79.6 | 80.4 | 83.3 | 85.9 | 87.4 | 87.2 | 85.2 | 82.6 | 78.6 | 71.1 | | | |
| | | 800 | 64.8 | 71.3 | 74.1 | 76.7 | 79.7 | 81.0 | 83.7 | 84.4 | 86.3 | 85.5 | 83.4 | 81.2 | 75.4 | 67.5 | | | |
| VEHICLE JENOTS | | 1000 | 63.8 | 70.4 | 73.5 | 76.6 | 79.4 | 81.0 | 83.1 | 83.6 | 85.4 | 84.5 | 82.2 | 79.8 | 73.7 | 65.7 | | | |
| CONFIG JE-000 | | 1250 | 62.9 | 71.3 | 74.1 | 76.6 | 79.2 | 80.7 | 82.4 | 83.4 | 84.6 | 83.5 | 81.0 | 78.6 | 72.4 | 64.1 | | | |
| LOC EVENDALE | | 1600 | 60.5 | 71.0 | 74.3 | 77.2 | 78.3 | 79.5 | 81.0 | 81.9 | 82.9 | 81.7 | 78.2 | 76.3 | 69.7 | 59.5 | | | |
| DATE 05-13-75 | | 2000 | 56.0 | 67.4 | 72.3 | 75.6 | 77.2 | 77.9 | 78.2 | 80.0 | 80.3 | 78.3 | 75.0 | 71.9 | 65.3 | 52.8 | | | |
| RUN DBTFMODEL10A | | 2500 | 48.7 | 60.9 | 66.0 | 70.8 | 73.1 | 73.9 | 74.6 | 75.3 | 75.3 | 73.0 | 69.9 | 65.6 | 58.0 | 44.4 | | | |
| TAPE X10250 | | 3150 | 38.6 | 52.6 | 59.2 | 64.6 | 66.3 | 68.1 | 69.1 | 69.3 | 69.2 | 67.1 | 62.8 | 57.7 | 49.3 | 37.1 | | | |
| FAN TIP SPEED | | 4000 | 23.8 | 40.6 | 49.3 | 55.4 | 56.8 | 60.4 | 61.2 | 61.4 | 61.0 | 58.6 | 53.6 | 47.1 | 35.7 | 11.9 | | | |
| FT/SEC | | 5000 | 14.6 | 32.6 | 42.6 | 49.5 | 50.7 | 52.5 | 54.4 | 55.1 | 55.5 | 51.9 | 46.5 | 38.4 | 26.5 | 1.4 | | | |
| | | 6300 | | 15.8 | 27.5 | 37.1 | 37.7 | 40.7 | 42.8 | 43.1 | 44.0 | 41.1 | 33.4 | 22.4 | 6.8 | | | | |
| | | 8000 | | | 8.0 | 20.1 | 21.9 | 25.0 | 27.3 | 29.3 | 28.9 | 26.0 | 15.7 | 2.3 | | | | | |
| | | 10000 | | | | 1.8 | 2.1 | 6.5 | 7.7 | 10.2 | 10.1 | 6.5 | | | | | | | |
| OVERALL CALCULATED | | | 79.9 | 84.5 | 87.6 | 89.8 | 91.3 | 93.0 | 94.6 | 96.1 | 98.0 | 99.1 | 97.8 | 97.1 | 93.2 | 90.3 | | | |
| PNDB | | | 83.6 | 90.7 | 94.3 | 97.2 | 98.9 | 100.3 | 101.6 | 102.8 | 104.1 | 104.0 | 101.9 | 100.2 | 95.9 | 90.9 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|----------|--|--|-------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| | 50 | 71.4 | 68.2 | 71.8 | 72.4 | 74.2 | 79.5 | 75.6 | 76.1 | 77.6 | 79.6 | 76.5 | 80.0 | 83.2 | 85.4 | | | | | | 138.4 |
| | 63 | 68.6 | 69.8 | 73.1 | 73.3 | 75.7 | 77.1 | 77.0 | 76.7 | 78.4 | 78.7 | 81.2 | 86.1 | 82.6 | 88.6 | | | | | | 140.3 |
| NO EGA | 80 | 74.6 | 75.0 | 73.5 | 73.0 | 76.7 | 77.5 | 77.4 | 78.6 | 80.2 | 80.7 | 83.5 | 89.6 | 90.2 | 90.8 | | | | | | 143.5 |
| RDG. NO. 0. | 100 | 77.7 | 79.2 | 78.4 | 79.9 | 79.8 | 80.8 | 82.7 | 84.6 | 84.5 | 87.8 | 90.8 | 95.4 | 94.5 | 95.7 | | | | | | 148.8 |
| RADIAL 320. FT. | 125 | 78.3 | 78.1 | 81.0 | 78.9 | 79.3 | 81.9 | 83.4 | 83.6 | 87.9 | 90.6 | 89.7 | 89.9 | 91.3 | 88.7 | | | | | | 146.9 |
| (98. M) | 160 | 80.2 | 80.9 | 82.3 | 84.5 | 83.2 | 84.4 | 85.9 | 86.4 | 88.4 | 88.9 | 89.1 | 91.5 | 89.9 | 86.9 | | | | | | 147.4 |
| VEHICLE JENOTS | 200 | 78.8 | 78.7 | 79.4 | 81.2 | 81.8 | 83.2 | 83.3 | 84.0 | 84.3 | 85.0 | 86.3 | 86.7 | 83.4 | 83.4 | | | | | | 144.0 |
| CONFIG JE-000 | 250 | 79.8 | 77.8 | 78.0 | 81.6 | 80.9 | 79.8 | 83.7 | 83.0 | 86.1 | 86.3 | 88.4 | 90.5 | 87.1 | 83.3 | | | | | | 145.3 |
| LOC EVENDALE | 315 | 78.8 | 78.5 | 80.5 | 79.4 | 81.1 | 81.9 | 82.3 | 83.9 | 84.2 | 85.5 | 86.0 | 86.6 | 84.6 | 80.7 | | | | | | 143.8 |
| DATE 05-13-75 | 400 | 76.5 | 77.8 | 78.2 | 78.7 | 79.0 | 78.8 | 81.6 | 81.8 | 83.7 | 85.1 | 85.4 | 86.3 | 83.0 | 79.3 | | | | | | 142.8 |
| RUN DBTFMODEL10A | 500 | 74.1 | 75.1 | 76.4 | 78.0 | 78.3 | 80.5 | 80.5 | 81.4 | 82.2 | 83.8 | 83.0 | 81.7 | 78.0 | 75.7 | | | | | | 141.1 |
| TAPE X10420 | 630 | 74.9 | 76.2 | 75.8 | 77.0 | 77.9 | 78.5 | 80.0 | 81.4 | 81.7 | 83.4 | 83.1 | 81.0 | 77.9 | 76.5 | | | | | | 140.7 |
| BAR 29.5 HG | 800 | 73.9 | 75.7 | 75.7 | 77.0 | 78.5 | 78.9 | 80.3 | 79.5 | 80.5 | 81.8 | 81.5 | 79.3 | 75.2 | 74.7 | | | | | | 139.8 |
| (99482. N/M2) | 1000 | 72.9 | 75.0 | 75.5 | 77.2 | 77.7 | 78.5 | 79.4 | 78.6 | 79.9 | 81.6 | 81.1 | 77.9 | 75.3 | 75.1 | | | | | | 139.4 |
| TAMB 56. DEG F | 1250 | 72.6 | 75.0 | 75.6 | 76.9 | 77.6 | 78.0 | 79.0 | 77.9 | 79.7 | 81.0 | 81.0 | 78.6 | 76.5 | 75.6 | | | | | | 139.3 |
| (286. DEG K) | 1600 | 70.4 | 73.9 | 74.0 | 75.2 | 75.9 | 76.1 | 76.9 | 77.0 | 78.7 | 80.1 | 79.5 | 77.6 | 75.1 | 74.0 | | | | | | 138.1 |
| TWET 53. DEG F | 2000 | 68.1 | 71.1 | 72.1 | 73.4 | 73.7 | 74.1 | 75.5 | 76.5 | 77.5 | 78.2 | 77.3 | 75.1 | 71.9 | 71.5 | | | | | | 136.5 |
| (285. DEG K) | 2500 | 64.4 | 68.7 | 68.9 | 70.5 | 70.7 | 71.2 | 72.5 | 72.8 | 74.7 | 75.4 | 74.1 | 71.1 | 69.1 | 69.4 | | | | | | 133.8 |
| HACT 8.91 GM/M3 | 3150 | 61.2 | 65.6 | 65.1 | 68.2 | 66.7 | 68.7 | 69.1 | 70.4 | 70.7 | 73.0 | 70.4 | 67.8 | 65.9 | 69.1 | | | | | | 131.2 |
| (.00891 KG/M3) | 4000 | 56.4 | 61.0 | 60.3 | 64.7 | 62.8 | 66.3 | 65.1 | 67.8 | 66.7 | 70.4 | 66.6 | 64.2 | 62.7 | 69.4 | | | | | | 128.8 |
| FREQ. SHIFT | 5000 | 54.0 | 57.7 | 56.5 | 63.0 | 58.8 | 63.4 | 60.3 | 66.3 | 63.9 | 65.7 | 63.4 | 61.0 | 60.5 | 71.5 | | | | | | 126.7 |
| JET 9 | 6300 | 53.5 | 55.7 | 53.0 | 62.0 | 55.7 | 62.7 | 57.0 | 66.7 | 62.5 | 65.9 | 63.6 | 62.8 | 62.7 | 74.3 | | | | | | 128.5 |
| DIAMETER RATIO | 8000 | 55.1 | 55.6 | 53.2 | 60.7 | 56.2 | 62.0 | 57.2 | 65.3 | 64.0 | 67.9 | 65.5 | 65.2 | 64.9 | 77.4 | | | | | | 132.1 |
| DF/DM 8.00 | 10000 | 56.4 | 57.0 | 54.3 | 59.3 | 57.8 | 60.1 | 59.2 | 65.4 | 66.0 | 70.0 | 67.8 | 67.3 | 67.8 | 78.8 | | | | | | 136.2 |
| OVERALL CALCULATED | | 88.5 | 89.1 | 90.0 | 91.1 | 91.4 | 92.5 | 93.6 | 94.2 | 95.8 | 97.3 | 97.9 | 100.1 | 99.1 | 99.2 | | | | | | 156.0 |
| PND | | 94.4 | 96.1 | 96.5 | 98.2 | 98.3 | 99.4 | 100.2 | 101.3 | 102.3 | 103.6 | 103.5 | 104.1 | 102.5 | 103.7 | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | | 50 | 47.6 | 46.6 | 51.8 | 53.5 | 55.9 | 61.7 | 57.9 | 58.3 | 59.3 | 60.6 | 56.5 | 58.4 | 59.4 | 58.1 | | |
| NO EGA | | 63 | 44.6 | 48.2 | 53.0 | 54.3 | 57.5 | 59.3 | 59.3 | 58.9 | 60.2 | 59.7 | 61.1 | 64.5 | 58.6 | 61.1 | | |
| SIDELINE 2400. FT. | | 80 | 50.5 | 53.2 | 53.3 | 53.9 | 58.4 | 59.6 | 59.6 | 60.7 | 61.9 | 61.7 | 63.3 | 67.8 | 66.1 | 63.2 | | |
| (731.52 M) | | 100 | 53.5 | 57.3 | 58.2 | 60.8 | 61.4 | 62.8 | 64.9 | 66.7 | 66.2 | 68.6 | 70.6 | 73.5 | 70.3 | 67.9 | | |
| NFA 1. RPM | | 125 | 54.0 | 56.2 | 60.7 | 59.8 | 60.8 | 63.9 | 65.5 | 65.6 | 69.4 | 71.4 | 69.4 | 67.9 | 67.0 | 60.6 | | |
| (0. RAD/SEC) | | 160 | 55.7 | 58.8 | 61.9 | 65.2 | 64.6 | 66.3 | 67.9 | 68.3 | 69.9 | 69.6 | 68.6 | 69.3 | 65.3 | 58.6 | | |
| NFK 1. RPM | | 200 | 54.0 | 56.4 | 58.8 | 61.8 | 63.1 | 65.0 | 65.2 | 65.7 | 65.6 | 65.5 | 65.7 | 64.4 | 58.5 | 54.7 | | |
| (0. RAD/SEC) | | 250 | 54.7 | 55.2 | 57.2 | 62.0 | 62.1 | 61.4 | 65.5 | 64.7 | 67.3 | 66.7 | 67.6 | 67.9 | 61.9 | 54.0 | | |
| NFD 1. RPM | | 315 | 53.2 | 55.6 | 59.4 | 59.5 | 62.0 | 63.3 | 63.9 | 65.3 | 65.2 | 65.7 | 64.9 | 63.8 | 59.1 | 50.8 | | |
| (0. RAD/SEC) | | 400 | 50.4 | 54.5 | 56.8 | 58.5 | 59.7 | 59.9 | 62.9 | 63.0 | 64.4 | 64.9 | 63.9 | 63.0 | 56.9 | 48.6 | | |
| AIRFLOW RATIO | | 500 | 47.3 | 51.3 | 54.6 | 57.5 | 58.7 | 61.3 | 61.4 | 62.2 | 62.6 | 63.3 | 61.1 | 57.9 | 51.2 | 44.0 | | |
| WF/WM 8.00 | | 630 | 47.3 | 51.7 | 53.4 | 56.0 | 57.9 | 58.9 | 60.6 | 61.9 | 61.6 | 62.4 | 60.7 | 56.6 | 50.3 | 43.5 | | |
| | | 800 | 45.1 | 50.4 | 52.6 | 55.4 | 57.9 | 58.7 | 60.4 | 59.4 | 59.8 | 60.2 | 58.4 | 54.0 | 46.5 | 40.1 | | |
| VEHICLE JENOTS | | 1000 | 42.8 | 48.6 | 51.5 | 54.8 | 56.4 | 57.8 | 58.9 | 57.9 | 58.6 | 59.2 | 57.1 | 51.5 | 45.2 | 38.4 | | |
| CONFIG JE-000 | | 1250 | 40.8 | 47.4 | 50.5 | 53.6 | 55.4 | 56.4 | 57.6 | 56.3 | 57.6 | 57.7 | 56.0 | 50.9 | 44.7 | 36.4 | | |
| LOC EVENDALE | | 1600 | 36.1 | 44.4 | 47.5 | 50.6 | 52.5 | 53.4 | 54.4 | 54.3 | 55.3 | 55.5 | 52.9 | 48.2 | 40.9 | 31.2 | | |
| DATE 05-13-75 | | 2000 | 31.0 | 39.4 | 43.8 | 47.3 | 48.9 | 50.1 | 51.7 | 52.4 | 52.7 | 52.0 | 49.0 | 43.4 | 34.8 | 24.3 | | |
| RUN DBTFMODEL10A | | 2500 | 23.1 | 33.8 | 37.9 | 42.0 | 43.8 | 45.1 | 46.8 | 46.8 | 47.8 | 46.9 | 43.1 | 36.2 | 27.8 | 16.0 | | |
| TAPE X10420 | | 3150 | 13.1 | 25.6 | 29.9 | 36.1 | 36.5 | 39.5 | 40.3 | 41.2 | 40.4 | 40.8 | 35.2 | 27.8 | 17.9 | 5.6 | | |
| FAN TIP SPEED | | 4000 | | 13.2 | 18.7 | 27.0 | 27.5 | 32.3 | 31.6 | 33.8 | 31.4 | 32.8 | 25.0 | 16.5 | 4.6 | | | |
| FT/SEC | | 5000 | | 5.5 | 11.3 | 22.1 | 20.6 | 26.6 | 24.1 | 29.5 | 25.6 | 24.8 | 18.1 | 8.8 | | | | |
| | | 6300 | | | | 11.7 | 8.9 | 17.8 | 12.7 | 21.8 | 15.7 | 15.5 | 7.6 | | | | | |
| | | 8000 | | | | | | 4.6 | 0.7 | 7.9 | 4.1 | 3.2 | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 63.2 | 66.0 | 68.8 | 71.1 | 72.1 | 73.8 | 75.0 | 75.5 | 76.7 | 77.5 | 77.0 | 77.9 | 74.6 | 71.1 | | |
| PNDB | | | 64.2 | 68.4 | 71.6 | 74.2 | 75.5 | 77.1 | 78.4 | 78.9 | 79.8 | 80.1 | 79.2 | 78.2 | 73.1 | 68.0 | | |

1208

9

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | PWL |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|-----|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 | | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| NO EGA | | 50 | 72.2 | 69.0 | 72.8 | 73.9 | 75.7 | 80.5 | 77.3 | 77.1 | 78.6 | 80.1 | 77.3 | 80.8 | 84.2 | 89.1 | | | | 140.0 | |
| RDG. NO. 0. | | 63 | 69.3 | 70.6 | 74.1 | 74.5 | 77.0 | 78.4 | 78.5 | 77.7 | 79.2 | 79.7 | 81.2 | 86.4 | 82.8 | 88.3 | | | | 140.7 | |
| RADIAL 320. FT. | | 80 | 74.6 | 75.7 | 74.0 | 73.5 | 77.2 | 77.8 | 77.4 | 79.1 | 80.4 | 81.5 | 84.2 | 90.1 | 89.4 | 89.8 | | | | 143.4 | |
| (98. M) | | 100 | 77.5 | 79.2 | 78.4 | 79.0 | 79.8 | 80.3 | 82.9 | 84.6 | 84.5 | 87.5 | 90.0 | 95.3 | 94.0 | 93.7 | | | | 148.3 | |
| VEHICLE JENOTS | | 125 | 78.8 | 78.4 | 81.0 | 78.9 | 79.3 | 82.2 | 83.2 | 84.3 | 88.1 | 91.1 | 90.2 | 89.9 | 90.3 | 87.7 | | | | 147.0 | |
| CONFIG JE-000 | | 160 | 81.0 | 81.2 | 82.6 | 84.8 | 83.2 | 85.4 | 85.7 | 86.4 | 88.7 | 89.4 | 90.1 | 92.0 | 89.4 | 84.9 | | | | 147.7 | |
| LOC EVENDALE | | 200 | 79.5 | 79.2 | 79.9 | 82.5 | 82.6 | 83.7 | 84.5 | 84.2 | 84.8 | 85.7 | 86.6 | 86.7 | 82.6 | 82.0 | | | | 144.4 | |
| DATE 05-13-75 | | 250 | 79.8 | 78.3 | 78.3 | 81.6 | 81.4 | 80.3 | 83.8 | 83.8 | 86.2 | 86.6 | 89.1 | 90.7 | 85.8 | 81.3 | | | | 145.5 | |
| RUN DBTFMODEL10A | | 315 | 79.8 | 78.8 | 81.0 | 80.7 | 81.8 | 83.1 | 82.8 | 84.6 | 84.8 | 87.0 | 86.7 | 87.6 | 83.1 | 79.6 | | | | 144.5 | |
| TAPE X10430 | | 400 | 77.2 | 78.1 | 78.7 | 79.2 | 79.8 | 79.8 | 82.6 | 82.8 | 84.0 | 85.6 | 86.4 | 87.1 | 82.3 | 79.1 | | | | 143.4 | |
| BAR 29.5 HG | | 500 | 74.6 | 75.6 | 77.7 | 78.7 | 79.6 | 81.8 | 81.7 | 81.6 | 83.2 | 84.6 | 84.0 | 82.2 | 78.5 | 75.7 | | | | 142.0 | |
| (99482. N/M2) | | 630 | 75.9 | 76.4 | 77.3 | 78.0 | 78.9 | 79.0 | 81.2 | 81.9 | 83.0 | 84.1 | 84.1 | 82.5 | 79.2 | 77.2 | | | | 141.7 | |
| TAMB 59. DEG F | | 800 | 74.6 | 77.0 | 77.4 | 78.3 | 79.5 | 79.9 | 80.6 | 80.3 | 81.7 | 82.6 | 82.3 | 80.8 | 76.7 | 76.0 | | | | 140.8 | |
| (288. DEG K) | | 1000 | 74.4 | 75.9 | 76.2 | 78.4 | 79.7 | 79.8 | 80.2 | 79.6 | 81.2 | 82.3 | 81.6 | 79.9 | 76.8 | 77.3 | | | | 140.5 | |
| TWET 55. DEG F | | 1250 | 73.6 | 77.0 | 77.5 | 78.9 | 79.6 | 80.2 | 80.0 | 79.4 | 81.0 | 81.7 | 81.5 | 80.3 | 77.8 | 78.4 | | | | 140.7 | |
| (286. DEG K) | | 1600 | 72.3 | 76.1 | 77.0 | 78.0 | 78.1 | 78.1 | 78.4 | 79.0 | 80.7 | 81.8 | 80.7 | 79.9 | 76.6 | 78.0 | | | | 140.1 | |
| HACT 8.91 GM/M3 | | 2000 | 69.6 | 73.9 | 75.4 | 76.4 | 76.2 | 76.1 | 76.7 | 77.5 | 79.0 | 79.9 | 78.3 | 77.1 | 74.1 | 77.7 | | | | 138.4 | |
| (00891 KG/M3) | | 2500 | 66.9 | 70.7 | 71.9 | 74.2 | 74.2 | 73.4 | 74.0 | 74.5 | 76.4 | 76.4 | 75.6 | 73.8 | 71.4 | 77.9 | | | | 136.0 | |
| FREQ. SHIFT | | 3150 | 62.9 | 67.8 | 69.1 | 71.2 | 70.5 | 70.7 | 71.4 | 71.6 | 73.1 | 73.7 | 72.7 | 70.8 | 67.4 | 78.6 | | | | 133.9 | |
| JET 9 | | 4000 | 58.4 | 63.4 | 64.8 | 66.5 | 65.8 | 67.1 | 67.6 | 68.8 | 69.2 | 69.9 | 68.8 | 66.7 | 64.5 | 77.1 | | | | 131.2 | |
| DIAMETER RATIO | | 5000 | 55.5 | 60.0 | 60.2 | 63.0 | 62.3 | 61.6 | 62.6 | 63.5 | 65.1 | 66.2 | 66.1 | 62.3 | 61.2 | 78.7 | | | | 129.7 | |
| DF/DM 8.00 | | 6300 | 54.3 | 56.5 | 56.5 | 59.8 | 58.2 | 58.5 | 59.0 | 61.2 | 62.7 | 66.1 | 64.4 | 61.8 | 61.9 | 76.0 | | | | 128.6 | |
| OVERALL CALCULATED | | 8000 | 56.2 | 55.4 | 55.3 | 59.7 | 56.8 | 56.8 | 57.3 | 62.1 | 63.8 | 67.9 | 66.0 | 64.2 | 63.6 | 77.0 | | | | 131.5 | |
| PNDB | | 10000 | 56.9 | 56.0 | 55.6 | 59.6 | 57.3 | 58.4 | 58.2 | 60.7 | 65.6 | 70.3 | 67.4 | 66.6 | 66.1 | 78.6 | | | | 135.8 | |
| | | | 89.2 | 89.7 | 90.8 | 91.9 | 92.3 | 93.4 | 94.2 | 94.7 | 96.3 | 97.9 | 98.4 | 100.4 | 98.5 | 98.4 | | | | 156.3 | |
| | | | 95.3 | 97.6 | 98.6 | 99.9 | 100.0 | 100.5 | 101.2 | 101.8 | 103.4 | 104.6 | 104.4 | 104.9 | 102.4 | 105.4 | | | | | |

1209

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|--|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| NO EGA | | 50 | 48.3 | 47.4 | 52.8 | 55.0 | 57.4 | 62.7 | 59.7 | 59.3 | 60.3 | 61.1 | 57.2 | 59.2 | 60.4 | 61.8 | | | | | | |
| SIDELINE 2400. FT. | | 63 | 45.4 | 48.9 | 54.0 | 55.5 | 58.7 | 60.5 | 60.8 | 59.9 | 60.9 | 60.7 | 61.1 | 64.7 | 58.9 | 60.9 | | | | | | |
| (731.52 M) | | 80 | 50.5 | 54.0 | 53.8 | 54.4 | 58.9 | 59.9 | 59.6 | 61.2 | 62.1 | 62.4 | 64.1 | 68.3 | 65.4 | 62.2 | | | | | | |
| NFA 1. RPM | | 100 | 53.3 | 57.3 | 58.2 | 59.9 | 61.4 | 62.3 | 65.1 | 66.7 | 66.2 | 68.4 | 69.7 | 73.4 | 69.8 | 65.9 | | | | | | |
| (0. RAD/SEC) | | 125 | 54.5 | 56.4 | 60.7 | 59.8 | 60.8 | 64.2 | 65.3 | 66.3 | 69.7 | 71.9 | 69.9 | 67.9 | 66.0 | 59.6 | | | | | | |
| NFK 1. RPM | | 160 | 56.4 | 59.0 | 62.1 | 65.5 | 64.7 | 67.3 | 67.7 | 68.3 | 70.1 | 70.1 | 69.6 | 69.8 | 64.9 | 56.6 | | | | | | |
| (0. RAD/SEC) | | 200 | 54.7 | 56.9 | 59.3 | 63.0 | 63.9 | 65.5 | 66.4 | 66.0 | 66.1 | 66.3 | 65.9 | 64.4 | 57.8 | 53.2 | | | | | | |
| NFD 1. RPM | | 250 | 54.7 | 55.7 | 57.4 | 62.0 | 62.6 | 61.9 | 65.5 | 65.4 | 67.4 | 67.0 | 68.3 | 68.2 | 60.7 | 52.0 | | | | | | |
| (0. RAD/SEC) | | 315 | 54.2 | 55.9 | 59.9 | 60.8 | 62.8 | 64.5 | 64.4 | 66.0 | 65.7 | 67.2 | 65.6 | 64.8 | 57.6 | 49.7 | | | | | | |
| AIRFLOW RATIO | | 400 | 51.1 | 54.8 | 57.3 | 59.0 | 60.5 | 60.9 | 63.9 | 64.0 | 64.7 | 65.4 | 64.9 | 63.8 | 56.2 | 48.4 | | | | | | |
| WF/WF 8.00 | | 500 | 47.8 | 51.8 | 55.8 | 58.2 | 59.9 | 62.6 | 62.7 | 62.5 | 63.6 | 64.1 | 62.1 | 58.4 | 51.7 | 44.0 | | | | | | |
| | | 630 | 48.3 | 52.0 | 54.9 | 57.0 | 58.9 | 59.4 | 61.8 | 62.4 | 62.9 | 63.2 | 61.7 | 58.1 | 51.5 | 44.3 | | | | | | |
| | | 800 | 45.9 | 51.6 | 54.3 | 56.6 | 58.9 | 59.7 | 60.7 | 60.2 | 61.0 | 61.0 | 59.2 | 55.5 | 48.0 | 41.3 | | | | | | |
| VEHICLE JENOTS | | 1000 | 44.3 | 49.6 | 52.3 | 56.1 | 58.4 | 59.0 | 59.6 | 58.9 | 59.9 | 60.0 | 57.6 | 53.5 | 46.7 | 40.7 | | | | | | |
| CONFIG JE-000 | | 1250 | 41.8 | 49.4 | 52.5 | 55.6 | 57.4 | 58.7 | 58.6 | 57.8 | 58.8 | 58.5 | 56.5 | 52.7 | 46.0 | 39.2 | | | | | | |
| LOC EVENDALE | | 1600 | 38.1 | 46.6 | 50.5 | 53.4 | 54.7 | 55.4 | 55.9 | 56.3 | 57.3 | 57.2 | 54.2 | 50.4 | 42.4 | 35.2 | | | | | | |
| DATE 05-13-75 | | 2000 | 32.4 | 42.2 | 47.0 | 50.2 | 51.4 | 52.1 | 52.9 | 53.4 | 54.2 | 53.7 | 50.0 | 45.4 | 37.0 | 30.6 | | | | | | |
| RUN DBTFMODEL10A | | 2500 | 25.6 | 35.8 | 40.9 | 45.7 | 47.3 | 47.4 | 48.3 | 48.5 | 49.5 | 47.9 | 44.6 | 38.9 | 30.0 | 24.5 | | | | | | |
| TAPE X10430 | | 3150 | 14.8 | 27.8 | 33.9 | 39.0 | 40.2 | 41.5 | 42.5 | 42.4 | 42.9 | 41.5 | 37.4 | 30.8 | 19.3 | 15.1 | | | | | | |
| FAN TIP SPEED | | 4000 | 0.2 | 15.7 | 23.2 | 28.8 | 30.5 | 33.1 | 34.1 | 34.8 | 33.9 | 32.2 | 27.3 | 19.0 | 6.3 | | | | | | | |
| FT/SEC | | 5000 | | 7.8 | 15.0 | 22.1 | 24.1 | 24.9 | 26.3 | 26.7 | 26.9 | 25.3 | 20.9 | 10.1 | | | | | | | | |
| | | 6300 | | | 0.5 | 9.5 | 11.4 | 13.6 | 14.7 | 16.3 | 15.9 | 15.8 | 8.3 | | | | | | | | | |
| | | 8000 | | | | | | | 0.7 | 4.7 | 3.8 | 3.2 | | | | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 63.7 | 66.4 | 69.3 | 71.7 | 72.8 | 74.6 | 75.5 | 76.0 | 77.2 | 78.0 | 77.4 | 78.2 | 74.0 | 70.1 | | | | | | |
| PNDB | | | 65.1 | 69.2 | 72.7 | 75.1 | 76.8 | 78.3 | 79.3 | 79.7 | 80.5 | 80.9 | 80.0 | 78.8 | 72.8 | 67.0 | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-----|-------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | | 50 | 77.2 | 73.7 | 76.3 | 77.4 | 78.9 | 83.5 | 80.6 | 81.1 | 83.3 | 87.3 | 85.5 | 88.8 | 93.2 | 92.4 | | | | 145.8 | |
| RDG. NO. 0. | | 63 | 72.8 | 73.3 | 76.3 | 77.5 | 79.0 | 80.1 | 80.5 | 79.7 | 82.7 | 83.7 | 86.0 | 93.1 | 89.6 | 95.8 | | | | 146.3 | |
| RADIAL 320. FT. | | 80 | 77.3 | 77.7 | 77.2 | 76.0 | 79.2 | 80.5 | 81.1 | 82.9 | 84.7 | 86.7 | 91.0 | 97.1 | 96.4 | 97.1 | | | | 149.8 | |
| (98. M) | | 100 | 79.2 | 81.4 | 80.6 | 81.3 | 82.9 | 84.9 | 86.8 | 89.0 | 89.5 | 93.3 | 96.7 | 103.3 | 101.0 | 102.5 | | | | 155.4 | |
| VEHICLE JENOTS | | 125 | 79.6 | 79.6 | 83.3 | 81.4 | 82.0 | 84.7 | 86.4 | 87.6 | 92.4 | 97.1 | 96.7 | 97.2 | 97.8 | 95.4 | | | | 152.9 | |
| CONFIG JE-000 | | 160 | 80.7 | 82.2 | 84.3 | 86.5 | 85.5 | 86.4 | 89.1 | 89.2 | 93.2 | 94.4 | 95.6 | 98.0 | 95.9 | 91.4 | | | | 152.3 | |
| LOC EVENDALE | | 200 | 79.8 | 80.9 | 81.6 | 83.2 | 84.5 | 85.5 | 85.8 | 87.5 | 89.6 | 90.7 | 92.8 | 92.7 | 88.1 | 87.9 | | | | 148.6 | |
| DATE 05-13-75 | | 250 | 81.3 | 79.8 | 80.7 | 83.9 | 84.4 | 83.8 | 87.7 | 87.0 | 91.1 | 92.1 | 94.9 | 95.2 | 91.1 | 87.0 | | | | 150.1 | |
| RUN DBTFMODEL10A | | 315 | 79.8 | 78.8 | 82.2 | 81.7 | 83.1 | 83.6 | 85.1 | 87.9 | 88.7 | 91.3 | 92.0 | 91.4 | 87.4 | 82.9 | | | | 148.0 | |
| TAPE X10460 | | 400 | 77.5 | 79.1 | 80.2 | 81.4 | 81.5 | 82.5 | 85.4 | 86.1 | 88.2 | 91.1 | 91.4 | 90.3 | 87.0 | 83.1 | | | | 147.3 | |
| BAR 29.5 HG | | 500 | 75.3 | 76.4 | 78.7 | 80.0 | 81.1 | 83.0 | 83.5 | 84.9 | 87.2 | 89.1 | 87.7 | 85.5 | 81.5 | 77.7 | | | | 145.1 | |
| (99482. N/M2) | | 630 | 76.4 | 76.9 | 77.8 | 78.7 | 80.4 | 80.5 | 82.7 | 84.9 | 86.5 | 88.6 | 87.9 | 83.8 | 80.2 | 78.0 | | | | 144.5 | |
| TAMB 56. DEG F | | 800 | 75.1 | 76.5 | 76.7 | 78.0 | 80.0 | 80.4 | 81.8 | 82.5 | 84.7 | 86.1 | 85.0 | 82.1 | 76.5 | 75.2 | | | | 142.7 | |
| (286. DEG K) | | 1000 | 73.7 | 75.7 | 76.2 | 78.2 | 79.7 | 80.3 | 81.4 | 81.4 | 83.2 | 84.8 | 83.6 | 79.9 | 76.1 | 75.1 | | | | 141.7 | |
| TWET 53. DEG F | | 1250 | 73.3 | 76.0 | 76.6 | 78.1 | 79.6 | 79.5 | 80.7 | 80.4 | 82.5 | 83.5 | 82.0 | 79.1 | 75.8 | 75.1 | | | | 141.0 | |
| (285. DEG K) | | 1600 | 71.1 | 74.7 | 75.5 | 76.7 | 77.6 | 77.9 | 78.9 | 79.8 | 81.2 | 82.3 | 79.7 | 78.1 | 74.6 | 73.7 | | | | 139.8 | |
| HACT 8.91 GM/M3 | | 2000 | 68.6 | 72.1 | 73.1 | 74.4 | 75.0 | 75.6 | 77.0 | 78.5 | 81.1 | 79.9 | 78.3 | 75.9 | 72.6 | 72.5 | | | | 138.3 | |
| (.00891 KG/M3) | | 2500 | 65.4 | 68.9 | 69.9 | 71.7 | 72.5 | 72.2 | 73.8 | 75.1 | 77.2 | 76.9 | 75.1 | 72.6 | 69.4 | 72.4 | | | | 135.4 | |
| FREQ. SHIFT | | 3150 | 61.4 | 66.4 | 66.9 | 69.0 | 68.7 | 70.0 | 70.6 | 71.4 | 72.9 | 74.0 | 71.7 | 69.1 | 66.7 | 74.1 | | | | 132.7 | |
| JET 9 | | 4000 | 57.1 | 61.0 | 63.0 | 64.7 | 64.0 | 66.3 | 66.9 | 68.3 | 69.0 | 69.7 | 67.6 | 65.7 | 63.2 | 74.4 | | | | 130.0 | |
| DIAMETER RATIO | | 5000 | 54.3 | 57.5 | 59.5 | 61.3 | 60.3 | 60.6 | 62.1 | 65.3 | 64.9 | 65.9 | 63.9 | 61.8 | 61.0 | 76.5 | | | | 128.3 | |
| DF/DM 8.00 | | 6300 | 54.3 | 55.2 | 55.7 | 60.8 | 56.9 | 57.5 | 58.0 | 65.9 | 63.0 | 66.4 | 64.1 | 62.6 | 61.7 | 77.0 | | | | 129.5 | |
| OVERALL CALCULATED | | 8000 | 55.9 | 56.3 | 55.2 | 59.7 | 56.0 | 57.0 | 57.0 | 68.6 | 64.0 | 68.7 | 66.5 | 64.7 | 64.1 | 78.9 | | | | 133.2 | |
| PNDB | | 10000 | 57.1 | 58.5 | 55.3 | 60.0 | 57.8 | 58.9 | 58.4 | 70.6 | 65.8 | 70.8 | 67.6 | 66.8 | 66.1 | 79.3 | | | | 137.0 | |
| | | | 89.9 | 90.6 | 92.1 | 93.2 | 94.0 | 95.1 | 96.7 | 97.8 | 100.4 | 102.9 | 104.0 | 106.9 | 105.2 | 105.5 | | | | 161.2 | |
| | | | 95.7 | 97.2 | 98.3 | 99.6 | 100.3 | 101.1 | 102.6 | 104.1 | 106.0 | 107.9 | 108.3 | 109.4 | 106.9 | 108.4 | | | | | |

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | 0. 0. 0. | | | | | | | | | | | | | | | | |
|--------------------|------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--|
| SPL INPUT AT STD | REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 53.3 | 52.1 | 56.3 | 58.5 | 60.7 | 65.7 | 62.9 | 63.3 | 65.1 | 68.4 | 65.5 | 67.2 | 69.4 | 65.1 | | | | | | | | | | | | | | | | | | |
| SIDELINE 2400. FT. | | 63 | 48.9 | 51.7 | 56.2 | 58.5 | 60.7 | 62.3 | 62.8 | 61.9 | 64.4 | 64.7 | 65.9 | 71.5 | 65.6 | 68.4 | | | | | | | | | | | | | | | | | | |
| (731.52 M) | | 80 | 53.3 | 56.0 | 57.1 | 56.9 | 60.9 | 62.6 | 63.4 | 65.0 | 66.4 | 67.7 | 70.8 | 75.3 | 72.4 | 69.5 | | | | | | | | | | | | | | | | | | |
| NFA | 1. RPM | 100 | 55.0 | 59.6 | 60.4 | 62.1 | 64.5 | 67.0 | 69.0 | 71.1 | 71.2 | 74.1 | 76.5 | 81.4 | 76.8 | 74.7 | | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | 125 | 55.2 | 57.7 | 62.9 | 62.3 | 63.6 | 66.7 | 68.5 | 69.6 | 73.9 | 77.9 | 76.4 | 75.2 | 73.5 | 67.4 | | | | | | | | | | | | | | | | | | |
| NFK | 1. RPM | 160 | 56.2 | 60.0 | 63.9 | 67.2 | 66.9 | 68.3 | 71.2 | 71.0 | 74.6 | 75.1 | 75.1 | 75.8 | 71.3 | 63.1 | | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | 200 | 55.0 | 58.6 | 61.0 | 63.8 | 65.9 | 67.2 | 67.7 | 69.2 | 70.9 | 71.3 | 72.2 | 70.4 | 63.3 | 59.2 | | | | | | | | | | | | | | | | | | |
| NFD | 1. RPM | 250 | 56.2 | 57.2 | 59.9 | 64.2 | 65.6 | 65.4 | 69.5 | 68.7 | 72.3 | 72.5 | 74.1 | 72.7 | 65.9 | 57.8 | | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | 315 | 54.2 | 55.9 | 61.1 | 61.8 | 64.0 | 65.0 | 66.6 | 69.3 | 69.7 | 71.4 | 70.9 | 68.5 | 61.8 | 53.1 | | | | | | | | | | | | | | | | | | |
| AIRFLOW RATIO | | 400 | 51.4 | 55.8 | 58.8 | 61.2 | 62.2 | 63.7 | 66.7 | 67.2 | 68.9 | 70.9 | 69.9 | 67.0 | 60.9 | 52.4 | | | | | | | | | | | | | | | | | | |
| WF/WM 8.00 | | 500 | 48.6 | 52.6 | 56.8 | 59.5 | 61.4 | 63.8 | 64.4 | 65.7 | 67.6 | 68.6 | 65.9 | 61.7 | 54.7 | 46.0 | | | | | | | | | | | | | | | | | | |
| | | 630 | 48.8 | 52.5 | 55.4 | 57.8 | 60.4 | 60.9 | 63.3 | 65.4 | 66.4 | 67.7 | 65.5 | 59.3 | 52.5 | 45.0 | | | | | | | | | | | | | | | | | | |
| | | 800 | 46.4 | 51.1 | 53.6 | 56.4 | 59.4 | 60.2 | 61.9 | 62.4 | 64.0 | 64.5 | 61.9 | 56.8 | 47.7 | 40.6 | | | | | | | | | | | | | | | | | | |
| VEHICLE JENOTS | | 1000 | 43.5 | 49.3 | 52.3 | 55.8 | 58.4 | 59.5 | 60.9 | 60.6 | 61.9 | 62.5 | 59.6 | 53.5 | 46.0 | 38.4 | | | | | | | | | | | | | | | | | | |
| CONFIG JE-000 | | 1250 | 41.5 | 48.4 | 51.5 | 54.8 | 57.4 | 57.9 | 59.4 | 58.8 | 60.3 | 60.2 | 57.0 | 51.4 | 44.0 | 35.9 | | | | | | | | | | | | | | | | | | |
| LOC EVENDALE | | 1600 | 36.9 | 45.2 | 49.0 | 52.1 | 54.2 | 55.2 | 56.4 | 57.1 | 57.8 | 57.7 | 53.2 | 48.7 | 40.4 | 30.9 | | | | | | | | | | | | | | | | | | |
| DATE 05-13-75 | | 2000 | 31.5 | 40.4 | 44.8 | 48.3 | 50.1 | 51.6 | 53.2 | 54.4 | 56.2 | 53.7 | 50.0 | 44.2 | 35.5 | 25.3 | | | | | | | | | | | | | | | | | | |
| RUN DBTFMODEL10A | | 2500 | 24.1 | 34.0 | 38.9 | 43.2 | 45.6 | 46.1 | 48.0 | 49.0 | 50.3 | 48.4 | 44.1 | 37.7 | 28.1 | 19.0 | | | | | | | | | | | | | | | | | | |
| TAPE X1046D | | 3150 | 13.4 | 26.3 | 31.7 | 36.8 | 38.5 | 40.8 | 41.8 | 42.2 | 42.6 | 41.8 | 36.5 | 29.0 | 18.6 | 10.6 | | | | | | | | | | | | | | | | | | |
| FAN TIP SPEED | | 4000 | | 13.2 | 21.5 | 27.0 | 28.7 | 32.3 | 33.3 | 34.3 | 33.7 | 32.0 | 26.0 | 18.0 | 5.1 | | | | | | | | | | | | | | | | | | | |
| FT/SEC | | 5000 | | 5.3 | 14.3 | 20.4 | 22.1 | 23.9 | 25.8 | 28.5 | 26.6 | 25.0 | 18.6 | 9.6 | | | | | | | | | | | | | | | | | | | | |
| | | 6300 | | | | 10.5 | 10.1 | 12.6 | 13.7 | 21.1 | 16.2 | 16.0 | 8.1 | | | | | | | | | | | | | | | | | | | | | |
| | | 8000 | | | | | | | 0.5 | 11.2 | 4.1 | 3.9 | | | | | | | | | | | | | | | | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 64.7 | 67.7 | 71.0 | 73.3 | 74.8 | 76.5 | 78.3 | 79.2 | 81.5 | 83.3 | 83.3 | 84.9 | 80.9 | 77.6 | | | | | | | | | | | | | | | | | | |
| PND8 | | | 65.6 | 69.8 | 73.6 | 76.2 | 78.1 | 79.4 | 81.7 | 82.5 | 84.5 | 85.6 | 85.0 | 84.9 | 79.2 | 74.5 | | | | | | | | | | | | | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| SPL INPUT AT STD | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | | PWL | | |
|------------------|-------------|--|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|--|-------|
| REV. | ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | |
| | | | 50 | 79.7 | 77.2 | 79.1 | 80.7 | 82.9 | 87.0 | 84.8 | 84.8 | 87.1 | 90.8 | 90.0 | 92.0 | 95.0 | 94.4 | | | | 148.7 |
| | | | 63 | 78.1 | 79.1 | 81.8 | 82.3 | 84.2 | 85.6 | 85.2 | 84.7 | 88.4 | 88.2 | 91.0 | 97.6 | 94.6 | 100.3 | | | | 151.1 |
| | | | 80 | 82.6 | 82.7 | 82.2 | 80.0 | 83.0 | 83.5 | 84.1 | 86.1 | 88.2 | 90.7 | 97.2 | 102.8 | 100.9 | 102.3 | | | | 155.1 |
| | | | 100 | 83.7 | 86.5 | 84.6 | 85.9 | 85.3 | 87.9 | 89.8 | 91.6 | 93.7 | 97.3 | 102.8 | 109.3 | 107.0 | 109.7 | | | | 161.5 |
| | | | 125 | 83.8 | 83.9 | 86.8 | 85.7 | 85.5 | 88.4 | 90.4 | 92.1 | 97.1 | 101.3 | 101.7 | 102.4 | 103.8 | 102.7 | | | | 158.0 |
| | | | 160 | 85.5 | 87.2 | 88.6 | 90.5 | 90.2 | 91.9 | 94.1 | 94.4 | 97.7 | 99.4 | 101.6 | 103.7 | 102.7 | 100.2 | | | | 158.0 |
| | | | 200 | 84.8 | 85.9 | 85.6 | 88.0 | 89.5 | 90.5 | 91.0 | 92.2 | 94.6 | 96.0 | 97.3 | 97.4 | 94.6 | 95.9 | | | | 153.7 |
| | | | 250 | 85.3 | 84.5 | 85.0 | 88.4 | 88.4 | 87.1 | 92.5 | 91.8 | 95.7 | 97.6 | 99.4 | 100.7 | 98.1 | 96.5 | | | | 155.4 |
| | | | 315 | 84.0 | 83.3 | 86.2 | 86.2 | 87.3 | 88.9 | 89.6 | 93.6 | 94.0 | 96.5 | 96.7 | 96.4 | 94.1 | 91.9 | | | | 153.2 |
| | | | 400 | 81.5 | 83.1 | 84.2 | 85.2 | 86.0 | 86.0 | 90.1 | 91.3 | 94.0 | 96.1 | 95.9 | 95.3 | 93.8 | 91.6 | | | | 152.4 |
| | | | 500 | 79.3 | 79.9 | 81.9 | 83.7 | 85.3 | 87.8 | 87.7 | 89.6 | 92.5 | 94.1 | 92.7 | 90.7 | 88.0 | 86.2 | | | | 150.0 |
| | | | 630 | 80.1 | 80.2 | 81.0 | 82.7 | 84.7 | 84.7 | 87.7 | 90.2 | 91.7 | 93.9 | 92.1 | 89.3 | 86.4 | 84.2 | | | | 149.5 |
| | | | 800 | 78.6 | 79.7 | 79.7 | 81.5 | 83.8 | 84.4 | 87.1 | 87.8 | 90.2 | 91.3 | 90.0 | 86.8 | 82.2 | 80.7 | | | | 147.6 |
| | | | 1000 | 77.2 | 78.2 | 79.0 | 81.2 | 82.9 | 84.3 | 85.7 | 86.1 | 88.9 | 89.8 | 88.3 | 84.9 | 80.6 | 79.1 | | | | 146.4 |
| | | | 1250 | 76.3 | 78.3 | 78.6 | 80.9 | 82.3 | 83.2 | 85.0 | 85.1 | 87.7 | 88.8 | 86.5 | 83.6 | 79.5 | 78.4 | | | | 145.4 |
| | | | 1600 | 74.1 | 76.7 | 77.0 | 78.5 | 79.9 | 81.4 | 83.2 | 84.3 | 86.5 | 87.6 | 84.7 | 81.6 | 77.6 | 76.2 | | | | 144.1 |
| | | | 2000 | 71.3 | 73.6 | 74.6 | 76.4 | 77.5 | 79.1 | 80.8 | 83.0 | 84.8 | 84.9 | 82.6 | 79.6 | 75.4 | 73.7 | | | | 142.2 |
| | | | 2500 | 67.9 | 70.7 | 71.4 | 74.2 | 74.5 | 75.9 | 77.5 | 78.8 | 81.4 | 80.9 | 80.1 | 76.6 | 72.6 | 71.7 | | | | 139.1 |
| | | | 3150 | 63.7 | 67.4 | 68.4 | 71.7 | 70.7 | 72.5 | 74.6 | 75.4 | 77.7 | 78.0 | 75.9 | 73.3 | 70.4 | 70.6 | | | | 136.2 |
| | | | 4000 | 59.1 | 62.5 | 63.5 | 67.5 | 66.0 | 68.6 | 70.1 | 71.6 | 73.0 | 74.9 | 72.8 | 70.4 | 68.2 | 69.9 | | | | 133.2 |
| | | | 5000 | 55.8 | 59.0 | 61.0 | 65.0 | 63.3 | 64.1 | 65.3 | 67.3 | 68.4 | 73.4 | 71.1 | 69.0 | 68.5 | 72.2 | | | | 131.2 |
| | | | 6300 | 54.3 | 56.5 | 60.5 | 65.3 | 62.4 | 64.2 | 64.5 | 66.7 | 64.5 | 75.6 | 72.6 | 71.6 | 71.4 | 74.3 | | | | 133.7 |
| | | | 8000 | 55.9 | 56.1 | 63.0 | 66.9 | 64.5 | 66.3 | 65.7 | 68.6 | 64.3 | 78.4 | 74.7 | 74.2 | 73.4 | 76.7 | | | | 137.9 |
| | | | 10000 | 57.1 | 57.2 | 64.5 | 68.0 | 66.5 | 68.4 | 68.2 | 70.9 | 66.5 | 80.8 | 76.8 | 75.8 | 77.6 | 78.8 | | | | 142.9 |
| | | | OVERALL CALCULATED | 94.2 | 95.0 | 95.9 | 97.3 | 98.0 | 99.4 | 101.2 | 102.5 | 105.2 | 107.7 | 109.3 | 112.6 | 111.0 | 112.2 | | | | 166.6 |
| | | | PND8 | 99.4 | 100.2 | 101.7 | 103.4 | 104.0 | 105.3 | 107.3 | 108.8 | 110.8 | 113.1 | 113.3 | 114.9 | 112.8 | 113.8 | | | | |

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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 55.8 | 55.6 | 59.0 | 61.7 | 64.7 | 69.2 | 67.2 | 67.0 | 68.8 | 71.9 | 70.0 | 70.4 | 71.1 | 67.1 | | | |
| SIDELINE 2400. FT. | 80 | 58.5 | 61.0 | 62.1 | 60.9 | 64.7 | 65.6 | 66.4 | 68.2 | 69.9 | 71.7 | 77.1 | 81.1 | 76.9 | 74.7 | | | |
| (731.52 M) | 100 | 59.5 | 64.7 | 64.4 | 66.8 | 66.9 | 70.0 | 72.0 | 73.7 | 75.3 | 78.1 | 82.6 | 87.4 | 82.8 | 81.9 | | | |
| NFA 1. RPM | 125 | 59.5 | 61.9 | 66.4 | 66.5 | 67.1 | 70.4 | 72.5 | 74.1 | 78.7 | 82.1 | 81.4 | 80.4 | 79.5 | 74.6 | | | |
| (0. RAD/SEC) | 160 | 60.9 | 65.0 | 68.1 | 71.2 | 71.6 | 73.8 | 76.2 | 76.3 | 79.1 | 80.1 | 81.1 | 81.6 | 78.1 | 71.8 | | | |
| NFK 1. RPM | 200 | 60.0 | 63.6 | 65.0 | 68.5 | 70.9 | 72.2 | 72.9 | 74.0 | 75.9 | 76.5 | 76.7 | 75.1 | 69.8 | 67.2 | | | |
| (0. RAD/SEC) | 250 | 60.2 | 62.0 | 64.2 | 68.7 | 69.6 | 68.7 | 74.2 | 73.4 | 76.9 | 78.0 | 78.6 | 78.2 | 72.9 | 67.3 | | | |
| NFD 1. RPM | 315 | 58.4 | 60.4 | 65.1 | 66.3 | 68.2 | 70.3 | 71.1 | 75.0 | 74.9 | 76.7 | 75.6 | 73.5 | 68.6 | 62.1 | | | |
| (0. RAD/SEC) | 400 | 55.4 | 59.8 | 62.8 | 65.0 | 66.7 | 67.2 | 71.4 | 72.5 | 74.7 | 75.9 | 74.4 | 72.0 | 67.7 | 60.9 | | | |
| AIRFLOW RATIO | 500 | 52.6 | 56.1 | 60.1 | 63.2 | 65.7 | 68.6 | 68.7 | 70.5 | 72.8 | 73.6 | 70.9 | 66.9 | 61.2 | 54.5 | | | |
| WF/WF 8.00 | 630 | 52.5 | 55.7 | 58.6 | 61.8 | 64.6 | 65.2 | 68.3 | 70.6 | 71.6 | 72.9 | 69.7 | 64.8 | 58.8 | 51.3 | | | |
| | 800 | 49.9 | 54.4 | 56.6 | 59.9 | 63.1 | 64.2 | 67.2 | 67.7 | 69.5 | 69.7 | 66.9 | 61.5 | 53.5 | 46.1 | | | |
| VEHICLE JENOTS | 1000 | 47.0 | 51.8 | 55.0 | 58.8 | 61.6 | 63.5 | 65.1 | 65.4 | 67.6 | 67.5 | 64.4 | 58.5 | 50.5 | 42.4 | | | |
| CONFIG JE-000 | 1250 | 44.5 | 50.6 | 53.5 | 57.6 | 60.1 | 61.7 | 63.6 | 63.6 | 65.6 | 65.5 | 61.5 | 55.9 | 47.7 | 39.2 | | | |
| LOC EVENDALE | 1600 | 39.9 | 47.2 | 50.5 | 53.9 | 56.5 | 58.7 | 60.7 | 61.6 | 63.1 | 63.0 | 58.2 | 52.2 | 43.4 | 33.4 | | | |
| DATE 05-13-75 | 2000 | 34.2 | 41.9 | 46.3 | 50.3 | 52.6 | 55.1 | 56.9 | 59.0 | 60.0 | 58.7 | 54.2 | 47.9 | 38.3 | 26.6 | | | |
| RUN DBTFMODEL10A | 2500 | 26.6 | 35.8 | 40.4 | 45.7 | 47.6 | 49.9 | 51.8 | 52.8 | 54.5 | 52.4 | 49.1 | 41.7 | 31.3 | 18.3 | | | |
| TAPE X10490 | 3150 | 15.6 | 27.3 | 33.2 | 39.6 | 40.5 | 43.3 | 45.8 | 46.2 | 47.4 | 45.8 | 40.7 | 33.3 | 22.4 | 7.1 | | | |
| FAN TIP SPEED | 4000 | 1.0 | 14.7 | 22.0 | 29.8 | 30.7 | 34.6 | 36.6 | 37.6 | 37.7 | 37.3 | 31.3 | 22.7 | 10.1 | | | | |
| FT/SEC | 5000 | | 6.8 | 15.8 | 24.1 | 25.1 | 27.4 | 29.1 | 30.5 | 30.1 | 32.5 | 25.9 | 16.8 | 4.5 | | | | |
| | 6300 | | | 4.4 | 15.0 | 15.6 | 19.3 | 20.2 | 21.8 | 17.7 | 25.3 | 16.6 | 6.3 | | | | | |
| | 8000 | | | | 2.2 | 4.5 | 8.9 | 9.2 | 11.2 | 4.3 | 13.7 | 2.1 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 69.0 | 72.3 | 75.0 | 77.5 | 79.0 | 80.8 | 82.8 | 83.8 | 86.2 | 88.0 | 88.7 | 90.5 | 86.6 | 84.3 | | | |
| PND8 | | 70.0 | 73.8 | 77.3 | 80.4 | 82.2 | 84.0 | 86.5 | 87.7 | 89.5 | 90.6 | 90.0 | 90.6 | 85.7 | 82.6 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | 30.
(0.52) | 40.
(0.70) | 50.
(0.87) | 60.
(1.05) | 70.
(1.22) | 80.
(1.40) | 90.
(1.57) | 100.
(1.75) | 110.
(1.92) | 120.
(2.09) | 130.
(2.27) | 140.
(2.44) | 150.
(2.62) | 160.
(2.79) | 0.
(0.) | 0.
(0.) | 0.
(0.) | PWL |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|------------|-------|
| NO EGA | 50 | 80.2 | 76.8 | 79.8 | 81.2 | 83.9 | 88.2 | 85.6 | 85.3 | 88.1 | 92.1 | 90.5 | 93.6 | 96.5 | 95.2 | | | 149.9 |
| RDG. NO. 0. | 63 | 77.1 | 78.9 | 82.3 | 82.3 | 84.5 | 86.4 | 86.2 | 86.5 | 89.2 | 88.2 | 92.7 | 96.9 | 92.4 | 98.6 | | | 150.6 |
| RADIAL 320. FT.
(98. M) | 80 | 82.1 | 82.5 | 82.2 | 79.7 | 83.7 | 83.8 | 84.1 | 86.1 | 87.7 | 90.2 | 95.7 | 100.6 | 97.7 | 99.9 | | | 153.0 |
| VEHICLE JENOTS | 100 | 83.6 | 85.5 | 85.4 | 85.3 | 85.8 | 87.3 | 89.4 | 92.1 | 92.8 | 97.3 | 101.2 | 107.1 | 103.1 | 105.6 | | | 158.9 |
| CONFIG JE-000 | 125 | 84.2 | 84.0 | 87.0 | 85.2 | 85.5 | 89.2 | 90.2 | 91.6 | 96.6 | 101.6 | 101.5 | 101.3 | 100.5 | 98.8 | | | 157.0 |
| LOC EVENDALE | 160 | 84.9 | 86.6 | 88.6 | 91.0 | 89.5 | 91.7 | 93.2 | 94.9 | 98.4 | 99.9 | 100.8 | 101.6 | 100.1 | 96.4 | | | 157.1 |
| DATE 05-13-75 | 200 | 84.5 | 85.7 | 86.4 | 87.7 | 89.3 | 91.0 | 92.0 | 92.7 | 93.6 | 95.5 | 97.1 | 97.9 | 92.6 | 93.9 | | | 153.5 |
| RUN DBTFMODEL10A | 250 | 84.3 | 84.1 | 84.3 | 87.9 | 87.9 | 86.8 | 90.5 | 91.8 | 95.0 | 96.6 | 97.6 | 97.0 | 93.3 | 91.0 | | | 153.4 |
| TAPE X10510 | 315 | 83.8 | 83.3 | 86.5 | 85.9 | 87.3 | 89.1 | 90.1 | 92.6 | 93.8 | 96.3 | 95.7 | 94.7 | 91.0 | 88.5 | | | 152.4 |
| BAR 29.5 HG | 400 | 81.4 | 83.8 | 84.2 | 84.9 | 85.8 | 86.3 | 89.4 | 90.6 | 93.5 | 94.8 | 94.4 | 92.5 | 89.7 | 89.2 | | | 151.1 |
| (99583. N/M2) | 500 | 79.1 | 80.9 | 83.2 | 83.8 | 85.3 | 87.8 | 88.0 | 89.4 | 92.0 | 93.6 | 91.2 | 87.7 | 85.2 | 84.7 | | | 149.3 |
| TAMB 62. DEG F | 630 | 80.2 | 81.7 | 82.8 | 83.5 | 84.2 | 85.0 | 87.5 | 89.2 | 91.7 | 93.2 | 91.6 | 88.1 | 85.7 | 85.3 | | | 149.1 |
| (290. DEG K) | 800 | 79.6 | 81.1 | 82.4 | 83.0 | 84.6 | 85.4 | 87.1 | 87.5 | 90.0 | 90.8 | 90.0 | 87.5 | 84.9 | 85.7 | | | 147.9 |
| TWET 56. DEG F | 1000 | 79.2 | 81.7 | 82.0 | 83.5 | 84.5 | 85.0 | 86.7 | 87.1 | 89.2 | 89.9 | 88.6 | 87.2 | 85.3 | 86.1 | | | 147.4 |
| (286. DEG K) | 1250 | 79.2 | 83.2 | 83.3 | 83.9 | 84.9 | 84.8 | 86.0 | 86.7 | 89.0 | 89.3 | 88.3 | 87.5 | 85.7 | 87.0 | | | 147.4 |
| HACT 8.91 GM/M3 | 1600 | 77.7 | 82.3 | 82.3 | 83.5 | 84.2 | 84.2 | 84.7 | 85.6 | 88.0 | 88.8 | 87.0 | 87.0 | 85.0 | 86.1 | | | 146.7 |
| (.00891 KG/M3) | 2000 | 74.8 | 80.4 | 81.2 | 82.8 | 82.0 | 82.4 | 83.3 | 84.6 | 87.3 | 86.7 | 84.9 | 84.4 | 82.4 | 84.2 | | | 145.3 |
| FREQ. SHIFT | 2500 | 72.0 | 77.6 | 78.7 | 79.8 | 79.8 | 80.2 | 81.1 | 81.9 | 84.2 | 84.0 | 83.2 | 81.2 | 79.8 | 82.8 | | | 143.0 |
| JET 9 | 3150 | 69.1 | 75.1 | 76.0 | 77.8 | 76.6 | 77.8 | 78.0 | 79.2 | 81.7 | 81.5 | 79.7 | 78.0 | 76.9 | 84.3 | | | 141.1 |
| DIAMETER RATIO | 4000 | 64.7 | 69.8 | 71.6 | 73.6 | 72.4 | 74.2 | 75.0 | 75.7 | 77.6 | 77.8 | 76.2 | 74.3 | 73.6 | 81.0 | | | 138.1 |
| DF/DH 8.00 | 5000 | 61.8 | 66.5 | 67.8 | 70.9 | 68.9 | 69.0 | 70.2 | 71.6 | 73.2 | 75.3 | 73.5 | 71.0 | 71.0 | 82.0 | | | 135.8 |
| OVERALL CALCULATED | 6300 | 58.4 | 62.4 | 63.1 | 68.6 | 65.8 | 65.8 | 67.1 | 69.0 | 70.8 | 76.2 | 74.4 | 72.7 | 72.5 | 84.4 | | | 137.5 |
| PND8 | 8000 | 58.1 | 59.6 | 59.6 | 69.3 | 66.3 | 66.4 | 67.1 | 70.9 | 68.4 | 78.3 | 76.1 | 75.1 | 74.8 | 87.7 | | | 141.7 |
| | 10000 | 60.6 | 58.9 | 57.6 | 69.4 | 67.4 | 68.5 | 68.8 | 72.5 | 69.6 | 80.9 | 78.2 | 78.5 | 78.0 | 90.2 | | | 146.8 |
| | | 94.2 | 95.5 | 96.8 | 97.8 | 98.4 | 99.9 | 101.1 | 102.5 | 105.2 | 107.6 | 108.4 | 110.7 | 107.9 | 109.0 | | | 165.4 |
| | | 100.5 | 103.7 | 104.7 | 106.2 | 106.2 | 107.0 | 108.1 | 109.4 | 111.8 | 113.3 | 113.1 | 114.2 | 111.5 | 114.1 | | | |

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ORIGINAL PAGE
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | 50 | 56.4 | 55.2 | 59.8 | 62.2 | 65.7 | 70.4 | 67.9 | 67.5 | 69.8 | 73.1 | 70.5 | 72.0 | 72.7 | 67.9 | | | |
| NO EGA | 63 | 53.2 | 57.2 | 62.2 | 63.3 | 66.2 | 68.5 | 68.5 | 68.6 | 70.9 | 69.2 | 72.6 | 75.3 | 68.4 | 71.2 | | | |
| SIDELINE 2400. FT.
(731.52 M) | 80 | 58.1 | 60.8 | 62.1 | 60.7 | 65.4 | 65.9 | 66.4 | 68.2 | 69.4 | 71.2 | 75.6 | 78.9 | 73.7 | 72.3 | | | |
| | 100 | 59.4 | 63.7 | 65.2 | 66.1 | 67.4 | 69.3 | 71.6 | 74.2 | 74.4 | 78.1 | 81.0 | 85.3 | 78.9 | 77.8 | | | |
| NFA
(0. RAD/SEC) | 125 | 59.9 | 62.0 | 66.7 | 66.0 | 67.1 | 71.2 | 72.3 | 73.6 | 78.2 | 82.4 | 81.1 | 79.3 | 76.1 | 70.8 | | | |
| NFK
(0. RAD/SEC) | 160 | 60.3 | 64.5 | 68.1 | 71.7 | 70.9 | 73.6 | 75.2 | 76.8 | 79.9 | 80.6 | 80.4 | 79.5 | 75.5 | 68.0 | | | |
| | 200 | 59.7 | 63.3 | 65.8 | 68.3 | 70.6 | 72.7 | 73.9 | 74.5 | 74.9 | 76.0 | 76.4 | 75.6 | 67.8 | 65.2 | | | |
| NFD
(0. RAD/SEC) | 250 | 59.2 | 61.5 | 63.4 | 68.3 | 69.1 | 68.4 | 72.3 | 73.4 | 76.1 | 77.0 | 76.8 | 74.4 | 68.2 | 61.8 | | | |
| | 315 | 58.3 | 60.5 | 65.4 | 66.1 | 68.3 | 70.5 | 71.6 | 74.0 | 74.7 | 76.4 | 74.6 | 71.8 | 65.4 | 58.7 | | | |
| | 400 | 55.3 | 60.5 | 62.8 | 64.7 | 66.5 | 67.4 | 70.7 | 71.7 | 74.2 | 74.6 | 72.9 | 69.2 | 63.6 | 58.6 | | | |
| AIRFLOW RATIO | 500 | 52.3 | 57.1 | 61.3 | 63.2 | 65.7 | 68.6 | 69.0 | 70.2 | 72.3 | 73.1 | 69.4 | 63.9 | 58.5 | 53.0 | | | |
| WF/WM 8.00 | 630 | 52.6 | 57.3 | 60.4 | 62.5 | 64.1 | 65.4 | 68.1 | 69.6 | 71.7 | 72.2 | 69.2 | 63.6 | 58.1 | 52.4 | | | |
| | 800 | 50.8 | 55.8 | 59.3 | 61.4 | 63.9 | 65.3 | 67.2 | 67.4 | 69.3 | 69.2 | 66.9 | 62.2 | 56.1 | 51.0 | | | |
| VEHICLE JENOTS | 1000 | 49.1 | 55.4 | 58.0 | 61.1 | 63.1 | 64.3 | 66.1 | 66.4 | 67.9 | 67.3 | 64.7 | 60.8 | 55.2 | 49.4 | | | |
| CONFIG JE-000 | 1250 | 47.4 | 55.5 | 58.3 | 60.6 | 62.7 | 63.2 | 64.7 | 65.1 | 66.9 | 66.0 | 63.3 | 59.8 | 53.9 | 47.8 | | | |
| LOC EVENDALE | 1600 | 43.5 | 52.8 | 55.8 | 58.9 | 60.8 | 61.5 | 62.2 | 62.9 | 64.6 | 64.2 | 60.5 | 57.5 | 50.7 | 43.3 | | | |
| DATE 05-13-75 | 2000 | 37.7 | 48.7 | 52.8 | 56.6 | 57.2 | 58.4 | 59.5 | 60.5 | 62.5 | 60.5 | 56.5 | 52.7 | 45.3 | 37.1 | | | |
| RUN DBTFMODEL10A | 2500 | 30.7 | 42.7 | 47.7 | 51.3 | 52.9 | 54.2 | 55.3 | 55.8 | 57.3 | 55.5 | 52.2 | 46.3 | 38.5 | 29.4 | | | |
| TAPE X10510 | 3150 | 21.1 | 35.1 | 40.7 | 45.6 | 46.3 | 48.6 | 49.1 | 50.0 | 51.5 | 49.4 | 44.5 | 38.0 | 28.8 | 20.9 | | | |
| FAN TIP SPEED | 4000 | 6.6 | 22.1 | 30.1 | 35.9 | 37.1 | 40.2 | 41.4 | 41.7 | 42.3 | 40.1 | 34.6 | 26.6 | 15.4 | 2.4 | | | |
| FT/SEC. | 5000 | | 14.3 | 22.6 | 30.0 | 30.7 | 32.2 | 33.9 | 34.8 | 35.0 | 34.4 | 28.2 | 18.9 | 7.0 | | | | |
| | 6300 | | | 7.0 | 18.3 | 19.0 | 20.9 | 22.8 | 24.1 | 24.0 | 25.9 | 18.4 | 7.4 | | | | | |
| | 8000 | | | | 4.6 | 6.4 | 9.0 | 10.6 | 13.5 | 8.4 | 13.5 | 3.5 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 68.8 | 72.3 | 75.5 | 77.6 | 79.0 | 81.1 | 82.5 | 83.9 | 86.1 | 87.9 | 87.8 | 88.7 | 83.5 | 80.8 | | | |
| PND8 | | 70.2 | 75.3 | 78.9 | 81.5 | 83.0 | 85.0 | 86.5 | 87.8 | 89.8 | 90.8 | 89.5 | 89.3 | 83.0 | 79.5 | | | |

MODEL 11

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) |
| SPL INPUT AT STD | | | | | | | | | | | | | | | | | | | | |
| REV. ALPHA 12/73 | FREQ. | 50 | 75.2 | 71.7 | 75.1 | 75.9 | 77.9 | 82.5 | 79.3 | 79.3 | 81.6 | 82.8 | 79.3 | 82.5 | 86.2 | 86.6 | | | | 141.4 |
| NO LGA | 63 | 71.3 | 72.8 | 77.6 | 76.8 | 79.5 | 81.1 | 81.0 | 80.2 | 81.9 | 81.7 | 83.2 | 86.4 | 82.8 | 89.1 | | | | | 142.2 |
| RDG. 10. 0. | 80 | 76.1 | 77.0 | 76.2 | 75.2 | 78.0 | 78.5 | 78.6 | 79.1 | 80.7 | 81.5 | 84.0 | 90.1 | 89.4 | 92.1 | | | | | 143.7 |
| RADIAL 320. FT. | 100 | 79.2 | 80.7 | 80.4 | 80.3 | 80.8 | 81.8 | 83.9 | 85.1 | 84.8 | 88.0 | 90.2 | 95.0 | 94.2 | 93.0 | | | | | 148.5 |
| (9P. M) | 125 | 79.6 | 79.6 | 81.8 | 79.9 | 80.0 | 83.2 | 83.7 | 84.6 | 87.9 | 90.6 | 90.5 | 88.7 | 91.4 | 87.7 | | | | | 147.0 |
| VEHICLE JENOTS | 160 | 81.0 | 81.9 | 84.1 | 85.3 | 84.7 | 85.9 | 86.9 | 87.2 | 89.4 | 89.4 | 89.8 | 90.5 | 88.2 | 85.9 | | | | | 147.8 |
| CONFIG JE-000 | 200 | 80.8 | 80.7 | 81.7 | 83.5 | 84.1 | 85.5 | 86.5 | 85.5 | 85.3 | 85.7 | 87.1 | 86.2 | 83.4 | 84.0 | | | | | 145.4 |
| LOC EVENDALE | 250 | 80.3 | 78.8 | 79.0 | 81.6 | 82.5 | 81.1 | 84.0 | 84.3 | 86.7 | 86.9 | 88.7 | 89.7 | 84.6 | 81.8 | | | | | 145.4 |
| DATE 05-13-75 | 315 | 80.3 | 80.3 | 82.7 | 81.4 | 83.1 | 84.4 | 84.1 | 85.6 | 85.5 | 87.8 | 88.2 | 86.7 | 84.9 | 81.5 | | | | | 145.5 |
| RUN DATFMODEL11A | 400 | 78.3 | 79.9 | 80.7 | 80.4 | 80.8 | 81.1 | 83.1 | 83.6 | 85.0 | 86.6 | 87.4 | 87.3 | 83.8 | 81.8 | | | | | 144.4 |
| TAPE X11010 | 500 | 75.6 | 77.1 | 79.4 | 79.5 | 80.6 | 82.5 | 82.0 | 82.7 | 84.3 | 86.4 | 86.3 | 83.8 | 80.5 | 79.5 | | | | | 143.4 |
| BAR 29.5 HG | 630 | 76.7 | 77.9 | 78.8 | 78.8 | 79.7 | 80.0 | 82.3 | 82.7 | 84.5 | 87.2 | 88.6 | 85.3 | 81.4 | 81.0 | | | | | 144.1 |
| (99550. N/M2) | 800 | 75.7 | 77.5 | 78.9 | 79.5 | 80.1 | 80.4 | 81.4 | 81.6 | 83.5 | 85.9 | 88.6 | 85.1 | 80.5 | 80.5 | | | | | 143.6 |
| TAMB 68. DEG F | 1000 | 75.2 | 78.0 | 78.5 | 79.2 | 80.5 | 80.6 | 81.0 | 81.2 | 83.2 | 86.1 | 87.6 | 85.7 | 81.4 | 81.4 | | | | | 143.6 |
| (293. DEG K) | 1250 | 75.4 | 79.4 | 80.4 | 81.2 | 80.6 | 80.5 | 80.3 | 80.7 | 83.3 | 86.1 | 87.3 | 85.2 | 81.3 | 80.9 | | | | | 143.7 |
| TWET 59. DEG F | 1600 | 73.9 | 78.7 | 80.3 | 79.8 | 78.7 | 79.2 | 79.2 | 80.1 | 83.3 | 85.6 | 86.0 | 84.0 | 81.2 | 80.1 | | | | | 143.0 |
| (298. DEG K) | 2000 | 70.4 | 77.0 | 78.2 | 78.8 | 77.3 | 77.0 | 77.1 | 78.8 | 81.4 | 83.8 | 84.4 | 82.2 | 79.0 | 77.8 | | | | | 141.5 |
| HACT 8.91 GM/M3 | 2500 | 67.8 | 74.3 | 76.0 | 75.6 | 75.6 | 74.0 | 74.4 | 76.2 | 79.3 | 80.5 | 81.2 | 79.0 | 76.3 | 75.3 | | | | | 139.0 |
| (.00391 KG/M3) | 3150 | 64.8 | 71.8 | 73.0 | 73.6 | 72.1 | 71.4 | 71.5 | 73.3 | 76.0 | 77.3 | 77.3 | 76.0 | 73.6 | 75.0 | | | | | 136.4 |
| FREQ. SHIFT | 4000 | 60.1 | 66.9 | 68.4 | 69.1 | 68.2 | 67.7 | 67.6 | 69.7 | 71.4 | 74.1 | 73.3 | 71.9 | 69.7 | 73.3 | | | | | 133.2 |
| JET 9 | 5000 | 57.5 | 63.7 | 64.2 | 65.5 | 64.5 | 62.3 | 62.3 | 65.9 | 67.5 | 69.1 | 68.3 | 66.2 | 65.1 | 73.6 | | | | | 129.7 |
| DIAMETER RATIO | 6300 | 55.7 | 59.9 | 60.4 | 62.2 | 59.6 | 58.2 | 58.9 | 66.1 | 64.4 | 67.3 | 65.5 | 64.0 | 63.3 | 75.7 | | | | | 129.6 |
| DF/DN 8.00 | 8000 | 56.1 | 58.5 | 57.9 | 60.4 | 57.7 | 57.2 | 57.7 | 68.5 | 65.0 | 68.9 | 66.4 | 64.4 | 64.6 | 77.6 | | | | | 132.8 |
| | 10000 | 57.1 | 57.4 | 57.5 | 60.0 | 58.2 | 58.1 | 58.4 | 70.6 | 66.2 | 70.5 | 67.8 | 66.3 | 66.8 | 78.5 | | | | | 136.7 |
| OVERALL CALCULATED | | 90.1 | 91.3 | 92.7 | 93.0 | 93.4 | 94.5 | 95.2 | 95.6 | 97.3 | 99.0 | 100.0 | 100.5 | 99.1 | 98.4 | | | | | 157.3 |
| PND8 | | 96.5 | 100.0 | 101.3 | 101.7 | 101.3 | 101.5 | 101.9 | 103.3 | 105.2 | 107.3 | 107.9 | 106.6 | 104.2 | 104.7 | | | | | |

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ORIGINAL PAGE IS
OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
|--------------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|
| REV. ALPHA 12/73 | FREQ. (0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) (0.) (0.) | | | | | | | | | | | | | | | | | |
| | 50 | 51.3 | 50.1 | 55.0 | 57.0 | 59.7 | 64.7 | 61.7 | 61.5 | 63.3 | 63.9 | 59.2 | 60.9 | 62.4 | 59.3 | | | |
| NO EGA | 63 | 47.4 | 51.2 | 57.5 | 57.8 | 61.2 | 63.3 | 63.3 | 62.4 | 63.7 | 62.7 | 63.1 | 64.7 | 58.9 | 61.6 | | | |
| SIDELINE 2400. FT. | 80 | 52.0 | 55.2 | 56.1 | 56.2 | 59.7 | 60.6 | 60.9 | 61.2 | 62.4 | 62.4 | 63.8 | 68.3 | 65.4 | 62.5 | | | |
| (731.52 M) | 100 | 55.0 | 58.8 | 60.2 | 61.1 | 62.4 | 63.8 | 66.1 | 67.2 | 66.4 | 68.9 | 70.0 | 73.2 | 70.0 | 65.2 | | | |
| NFA 1. RPM | 125 | 55.2 | 57.7 | 61.4 | 60.8 | 61.6 | 65.2 | 65.8 | 66.6 | 69.4 | 71.4 | 70.1 | 66.7 | 67.0 | 59.6 | | | |
| (0. RAD/SEC) | 160 | 56.4 | 59.8 | 63.6 | 66.0 | 66.2 | 67.8 | 68.9 | 69.1 | 70.9 | 70.1 | 69.4 | 68.4 | 63.6 | 57.6 | | | |
| NFK 1. RPM | 200 | 56.0 | 58.4 | 61.0 | 64.0 | 65.4 | 67.2 | 68.4 | 67.2 | 66.7 | 66.3 | 66.5 | 63.9 | 58.6 | 55.2 | | | |
| (0. RAD/SEC) | 250 | 55.2 | 56.2 | 58.2 | 62.0 | 63.6 | 62.7 | 65.8 | 65.9 | 67.9 | 67.2 | 67.8 | 67.2 | 59.5 | 52.5 | | | |
| NFD 1. RPM | 315 | 54.7 | 57.4 | 61.6 | 61.6 | 64.0 | 65.8 | 65.6 | 67.0 | 66.5 | 67.9 | 67.1 | 63.8 | 59.3 | 51.6 | | | |
| (0. RAD/SEC) | 400 | 52.2 | 56.6 | 59.3 | 60.3 | 61.5 | 62.2 | 64.4 | 64.7 | 65.7 | 66.4 | 65.9 | 64.0 | 57.7 | 51.2 | | | |
| AIRFLOW RATIO | 500 | 48.9 | 53.3 | 57.6 | 59.0 | 60.9 | 63.4 | 63.0 | 63.5 | 64.6 | 65.8 | 64.4 | 59.9 | 53.7 | 47.8 | | | |
| WF/KM 8.07 | 630 | 49.1 | 53.5 | 56.4 | 57.8 | 59.6 | 60.4 | 62.9 | 63.1 | 64.4 | 66.2 | 66.3 | 60.8 | 53.8 | 48.1 | | | |
| | 800 | 46.9 | 52.2 | 55.8 | 57.9 | 59.4 | 60.3 | 61.4 | 61.5 | 62.8 | 64.2 | 65.4 | 59.8 | 51.8 | 45.9 | | | |
| VEHICLE JENOTS | 1000 | 45.1 | 51.6 | 54.6 | 56.9 | 59.2 | 59.8 | 60.4 | 60.4 | 61.9 | 63.8 | 63.7 | 59.3 | 51.3 | 44.7 | | | |
| CONFIG JE-000 | 1250 | 43.6 | 51.7 | 55.4 | 57.9 | 58.5 | 59.0 | 59.0 | 59.2 | 61.1 | 62.8 | 62.3 | 57.5 | 49.5 | 41.7 | | | |
| LOC EVENDALE | 1600 | 39.7 | 49.2 | 53.8 | 55.2 | 55.3 | 56.5 | 56.8 | 57.4 | 59.9 | 61.0 | 59.5 | 54.5 | 47.0 | 37.3 | | | |
| DATE 05-13-75 | 2000 | 33.3 | 45.3 | 49.9 | 52.6 | 52.5 | 52.9 | 53.3 | 54.8 | 56.6 | 57.6 | 56.1 | 50.5 | 41.9 | 30.7 | | | |
| RUN DBTFMODEL11A | 2500 | 26.5 | 39.4 | 45.0 | 47.1 | 48.7 | 48.0 | 48.6 | 50.1 | 52.4 | 52.1 | 50.2 | 44.1 | 34.9 | 22.9 | | | |
| TAPE X11010 | 3150 | 16.8 | 31.7 | 37.8 | 41.5 | 41.8 | 42.2 | 42.6 | 44.1 | 45.8 | 45.2 | 42.1 | 35.9 | 25.5 | 11.5 | | | |
| FAN TIP SPEED | 4000 | 1.9 | 19.2 | 26.9 | 31.4 | 32.9 | 33.7 | 34.0 | 35.8 | 36.1 | 36.4 | 31.7 | 24.1 | 11.5 | | | | |
| FT/SEC | 5000 | | 11.5 | 18.9 | 24.6 | 26.3 | 25.6 | 26.0 | 29.2 | 29.3 | 28.2 | 23.1 | 14.0 | 1.1 | | | | |
| | 6300 | | | 4.4 | 11.9 | 12.8 | 13.3 | 14.6 | 21.2 | 17.6 | 17.0 | 9.5 | | | | | | |
| | 8000 | | | | | | | 1.1 | 11.1 | 5.0 | 4.1 | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 64.6 | 67.8 | 71.0 | 72.6 | 74.0 | 75.7 | 76.6 | 76.8 | 78.0 | 78.7 | 78.4 | 77.8 | 74.4 | 69.9 | | | |
| PNDB | | 66.0 | 71.1 | 74.9 | 76.6 | 78.0 | 79.4 | 80.2 | 80.8 | 81.8 | 82.7 | 82.0 | 79.4 | 74.0 | 67.5 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 77.7 | 74.0 | 78.1 | 78.9 | 80.9 | 85.5 | 82.1 | 82.8 | 84.1 | 85.3 | 82.5 | 95.0 | 87.5 | 91.1 | | | 146.6 |
| RDG. NO. 0. | 63 | 74.8 | 75.8 | 80.3 | 80.0 | 82.0 | 83.6 | 84.2 | 82.7 | 84.9 | 84.4 | 86.5 | 98.6 | 83.8 | 91.1 | | | 148.6 |
| RADIAL 320. FT. | 80 | 80.8 | 81.2 | 80.5 | 80.5 | 83.7 | 83.8 | 83.6 | 84.1 | 84.9 | 85.5 | 87.5 | 101.8 | 89.9 | 93.8 | | | 151.4 |
| (98. M) | 100 | 82.7 | 84.9 | 85.4 | 85.5 | 86.3 | 87.0 | 88.4 | 89.4 | 89.3 | 92.0 | 93.5 | 106.0 | 94.0 | 93.0 | | | 155.5 |
| VEHICLE JENOTS | 125 | 83.1 | 83.4 | 87.3 | 84.9 | 84.8 | 87.7 | 87.4 | 88.6 | 92.1 | 94.3 | 93.5 | 99.4 | 91.4 | 87.9 | | | 151.9 |
| CONFIG JE-000 | 160 | 82.7 | 85.9 | 87.9 | 89.0 | 87.7 | 89.2 | 90.2 | 90.7 | 92.9 | 92.6 | 92.1 | 101.7 | 90.2 | 87.2 | | | 153.2 |
| LOC EVENDALE | 200 | 83.0 | 84.0 | 84.7 | 86.2 | 87.3 | 88.5 | 88.8 | 89.0 | 89.1 | 90.5 | 89.8 | 98.0 | 86.4 | 86.7 | | | 150.4 |
| DATE 05-13-75 | 250 | 82.8 | 83.1 | 83.0 | 85.4 | 87.5 | 85.8 | 88.5 | 88.8 | 91.5 | 93.1 | 91.2 | 100.7 | 87.6 | 85.3 | | | 152.0 |
| RUN DBTFMODEL11A | 315 | 83.3 | 83.5 | 87.0 | 86.4 | 86.8 | 88.4 | 88.1 | 89.6 | 90.8 | 95.8 | 93.5 | 99.7 | 88.1 | 85.5 | | | 152.3 |
| TAPE X11030 | 400 | 81.8 | 84.6 | 86.0 | 85.7 | 86.3 | 86.3 | 88.1 | 89.3 | 91.0 | 94.8 | 93.4 | 101.8 | 89.3 | 87.1 | | | 153.1 |
| BAR 29.5 HG | 500 | 80.1 | 81.9 | 84.7 | 84.5 | 85.6 | 87.5 | 88.2 | 89.4 | 91.8 | 95.1 | 93.0 | 99.0 | 86.5 | 85.0 | | | 151.9 |
| (99550. N/M2) | 630 | 81.4 | 82.9 | 84.3 | 84.8 | 85.2 | 85.5 | 87.5 | 90.5 | 92.8 | 97.7 | 95.1 | 100.6 | 88.2 | 87.8 | | | 153.4 |
| TAMB 68. DEG F | 800 | 81.7 | 83.5 | 84.7 | 85.5 | 86.3 | 87.4 | 89.1 | 89.8 | 93.5 | 98.1 | 96.3 | 101.6 | 89.3 | 88.5 | | | 154.4 |
| (293. DEG K) | 1000 | 82.0 | 84.3 | 84.8 | 86.0 | 87.0 | 87.8 | 89.5 | 90.7 | 94.2 | 98.6 | 97.6 | 104.0 | 90.4 | 90.4 | | | 155.9 |
| TWET 59. DEG F | 1250 | 83.2 | 85.6 | 86.6 | 86.7 | 87.4 | 88.3 | 89.3 | 91.5 | 95.6 | 98.8 | 98.0 | 105.2 | 92.1 | 91.2 | | | 156.9 |
| (288. DEG K) | 1600 | 81.4 | 85.2 | 86.1 | 86.8 | 86.4 | 87.9 | 88.5 | 91.6 | 95.0 | 98.1 | 96.5 | 104.2 | 91.4 | 90.3 | | | 156.2 |
| HACT 8.91 GM/M3 | 2000 | 79.2 | 83.2 | 85.0 | 85.3 | 85.6 | 86.7 | 87.6 | 90.8 | 94.1 | 96.3 | 94.9 | 103.2 | 90.0 | 88.8 | | | 155.2 |
| (.00891 KG/M3) | 2500 | 76.8 | 81.6 | 83.3 | 84.1 | 84.3 | 84.5 | 85.9 | 88.4 | 91.8 | 93.5 | 92.7 | 100.5 | 87.3 | 86.6 | | | 153.0 |
| FREQ. SHIFT | 3150 | 73.1 | 79.5 | 81.0 | 82.4 | 81.4 | 82.1 | 83.3 | 86.0 | 89.0 | 90.8 | 89.1 | 97.0 | 84.3 | 83.3 | | | 150.3 |
| JET 9 | 4000 | 68.8 | 75.1 | 76.7 | 78.4 | 77.4 | 78.7 | 80.1 | 82.7 | 84.6 | 87.6 | 85.5 | 92.9 | 80.4 | 79.3 | | | 147.2 |
| DIAMETER RATIO | 5000 | 65.0 | 71.7 | 74.4 | 75.2 | 74.3 | 74.3 | 75.8 | 78.2 | 80.3 | 83.1 | 80.3 | 87.4 | 75.6 | 76.1 | | | 142.8 |
| DF/DN 8.00 | 6300 | 61.2 | 67.7 | 70.4 | 72.2 | 70.4 | 71.2 | 71.7 | 74.4 | 75.9 | 80.0 | 77.8 | 83.5 | 71.3 | 74.9 | | | 140.5 |
| OVERALL CALCULATED | 8000 | 58.8 | 63.5 | 67.9 | 70.9 | 68.2 | 68.2 | 68.7 | 71.8 | 72.0 | 77.1 | 77.2 | 79.4 | 69.1 | 77.1 | | | 139.7 |
| PND8 | 10000 | 59.1 | 59.7 | 66.0 | 70.0 | 68.0 | 68.8 | 68.9 | 72.1 | 68.7 | 74.5 | 78.3 | 78.5 | 68.5 | 79.0 | | | 141.9 |
| | | 94.1 | 96.1 | 97.7 | 98.1 | 98.6 | 99.7 | 100.6 | 102.1 | 104.8 | 108.0 | 106.7 | 114.6 | 102.4 | 102.2 | | | 166.3 |
| | | 102.6 | 105.9 | 107.7 | 108.4 | 108.6 | 109.4 | 110.4 | 112.7 | 115.4 | 118.1 | 116.8 | 124.6 | 111.9 | 111.5 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 0. | 0. | 0. |
| SPL INPUT AT STD | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (0.) | (0.) | (0.) |
| REV. ALPHA 12/73 | FREQ. | | | | | | | | | | | | | | | | | | | |
| | 50 | 53.8 | 52.4 | 58.0 | 60.0 | 62.7 | 67.7 | 64.4 | 65.0 | 65.8 | 66.4 | 62.5 | 73.4 | 63.6 | 63.8 | | | | | |
| NO EGA | 63 | 50.9 | 54.2 | 60.2 | 61.0 | 63.7 | 65.8 | 66.5 | 64.9 | 66.7 | 65.5 | 66.4 | 77.0 | 59.9 | 63.6 | | | | | |
| SIDELINE 2400. FT. | 80 | 56.8 | 59.5 | 60.3 | 61.4 | 65.4 | 65.9 | 65.9 | 66.2 | 66.6 | 66.4 | 67.3 | 80.1 | 65.9 | 66.2 | | | | | |
| (731.52 M) | 100 | 58.5 | 63.1 | 65.2 | 66.4 | 67.9 | 69.1 | 70.6 | 71.4 | 70.9 | 72.9 | 73.2 | 84.2 | 69.8 | 65.2 | | | | | |
| NFA 1. RPM | 125 | 58.7 | 61.4 | 66.9 | 65.8 | 66.3 | 69.7 | 69.5 | 70.6 | 73.7 | 75.1 | 73.1 | 77.4 | 67.0 | 59.9 | | | | | |
| (0. RAD/SEC) | 160 | 58.2 | 63.8 | 67.4 | 69.7 | 69.2 | 71.1 | 72.2 | 72.6 | 74.4 | 73.3 | 71.6 | 79.6 | 65.6 | 58.8 | | | | | |
| NFK 1. RPM | 200 | 58.2 | 61.6 | 64.0 | 66.8 | 68.6 | 70.2 | 70.7 | 70.7 | 70.4 | 71.0 | 69.2 | 75.6 | 61.6 | 58.0 | | | | | |
| (0. RAD/SEC) | 250 | 57.7 | 60.5 | 62.2 | 65.8 | 68.6 | 67.5 | 70.3 | 70.4 | 72.6 | 73.5 | 70.3 | 78.2 | 62.5 | 56.0 | | | | | |
| NFD 1. RPM | 315 | 57.7 | 60.6 | 65.9 | 66.6 | 67.8 | 69.8 | 69.6 | 71.0 | 71.7 | 75.9 | 72.4 | 76.8 | 62.6 | 55.6 | | | | | |
| (0. RAD/SEC) | 400 | 55.7 | 61.3 | 64.5 | 65.5 | 67.0 | 67.4 | 69.4 | 70.5 | 71.7 | 74.7 | 71.9 | 78.5 | 63.2 | 56.4 | | | | | |
| AIRFLOW RATIO | 500 | 53.4 | 58.1 | 62.8 | 64.0 | 65.9 | 68.4 | 69.2 | 70.2 | 72.1 | 74.6 | 71.2 | 75.2 | 59.7 | 53.3 | | | | | |
| WF/WB 8.00 | 630 | 53.8 | 58.5 | 61.9 | 63.8 | 65.1 | 65.9 | 68.1 | 70.9 | 72.7 | 76.7 | 72.8 | 76.1 | 60.6 | 54.8 | | | | | |
| | 800 | 52.9 | 58.2 | 61.6 | 63.9 | 65.7 | 67.3 | 69.2 | 69.7 | 72.8 | 76.5 | 73.2 | 76.3 | 60.5 | 53.9 | | | | | |
| VEHICLE JENOTS | 1000 | 51.8 | 57.9 | 60.8 | 63.6 | 65.7 | 67.1 | 68.9 | 69.9 | 72.9 | 76.3 | 73.7 | 77.6 | 60.3 | 53.7 | | | | | |
| CONFIG JE-000 | 1250 | 51.4 | 58.0 | 61.6 | 63.4 | 65.2 | 66.7 | 68.0 | 69.9 | 73.4 | 75.5 | 73.0 | 77.5 | 60.3 | 52.0 | | | | | |
| LOC EVENDALE | 1600 | 47.2 | 55.7 | 59.6 | 62.2 | 63.1 | 65.2 | 66.0 | 68.9 | 71.6 | 73.5 | 70.0 | 74.7 | 57.2 | 47.5 | | | | | |
| DATE 05-13-75 | 2000 | 42.1 | 51.5 | 56.6 | 59.1 | 60.7 | 62.7 | 63.8 | 66.8 | 69.3 | 70.1 | 66.6 | 71.5 | 52.9 | 41.7 | | | | | |
| RUN D3TFMODEL11A | 2500 | 35.5 | 46.7 | 52.3 | 55.6 | 57.4 | 58.5 | 60.1 | 62.4 | 64.9 | 65.1 | 61.7 | 65.6 | 45.9 | 33.1 | | | | | |
| TAPE X11030 | 3150 | 25.0 | 39.5 | 45.8 | 50.2 | 51.1 | 52.9 | 54.4 | 56.8 | 58.8 | 58.7 | 53.8 | 56.9 | 36.3 | 19.8 | | | | | |
| FAN TIP SPEED | 4000 | 10.7 | 27.4 | 35.1 | 40.7 | 42.1 | 44.7 | 46.5 | 48.8 | 49.3 | 49.9 | 44.0 | 45.1 | 22.3 | 0.7 | | | | | |
| FT/SEC | 5000 | 1.0 | 19.5 | 29.2 | 34.3 | 36.0 | 37.6 | 39.5 | 41.4 | 42.1 | 42.2 | 35.1 | 35.3 | 11.6 | | | | | | |
| | 6300 | | 2.4 | 14.4 | 21.9 | 23.6 | 26.3 | 27.4 | 29.5 | 29.1 | 29.7 | 21.8 | 18.2 | | | | | | | |
| | 8000 | | | | 6.1 | 8.2 | 10.8 | 12.1 | 14.4 | 12.0 | 12.4 | 4.6 | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 67.9 | 72.1 | 75.6 | 77.2 | 78.7 | 80.3 | 81.2 | 82.2 | 84.1 | 86.3 | 83.7 | 90.3 | 75.9 | 72.3 | | | | | |
| PND8 | | 70.4 | 76.4 | 80.5 | 82.9 | 84.3 | 86.1 | 87.2 | 89.1 | 91.4 | 93.2 | 90.0 | 95.4 | 78.5 | 71.6 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | PWL |
|--------------------------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | |
| NO EGA | 50 | 81.2 | 77.2 | 81.3 | 83.2 | 84.9 | 89.5 | 86.1 | 86.8 | 88.8 | 90.8 | 87.5 | 90.3 | 93.0 | 94.1 | | 148.7 |
| RDG. NO. 0. | 63 | 78.1 | 79.6 | 83.8 | 83.3 | 85.5 | 87.1 | 88.0 | 87.5 | 89.4 | 88.9 | 90.7 | 92.6 | 87.8 | 93.8 | | 148.7 |
| RADIAL 320. FT. | 80 | 85.1 | 86.0 | 85.0 | 84.0 | 87.5 | 87.8 | 87.4 | 87.9 | 88.9 | 89.7 | 92.2 | 95.6 | 92.2 | 96.6 | | 150.4 |
| (98. M) | 100 | 87.5 | 90.7 | 90.9 | 91.3 | 91.3 | 91.5 | 92.9 | 93.6 | 93.3 | 97.0 | 98.7 | 100.5 | 97.7 | 98.0 | | 155.5 |
| VEHICLE JENOTS | 125 | 87.1 | 88.4 | 91.5 | 89.9 | 89.3 | 92.2 | 92.4 | 93.1 | 97.6 | 101.1 | 100.0 | 95.2 | 96.1 | 92.9 | | 155.9 |
| CONFIG JE-000 | 160 | 87.0 | 90.9 | 92.9 | 94.5 | 93.0 | 94.7 | 96.2 | 96.7 | 98.9 | 100.1 | 99.8 | 99.2 | 97.4 | 93.9 | | 157.3 |
| LOC EVENDALE | 200 | 87.5 | 89.5 | 89.7 | 92.2 | 93.1 | 95.5 | 95.3 | 95.5 | 96.1 | 98.5 | 97.3 | 96.2 | 93.6 | 93.7 | | 155.5 |
| DATE 05-13-75 | 250 | 87.6 | 88.8 | 89.0 | 91.6 | 93.2 | 91.8 | 94.5 | 95.3 | 97.5 | 99.6 | 96.9 | 97.0 | 94.1 | 91.5 | | 155.6 |
| RUN DBTFMODEL11A | 315 | 88.3 | 89.0 | 92.2 | 92.2 | 93.3 | 94.4 | 94.6 | 96.9 | 98.5 | 102.6 | 98.7 | 95.9 | 95.1 | 92.5 | | 157.1 |
| TAPE X11050 | 400 | 87.0 | 90.1 | 92.0 | 91.9 | 92.8 | 92.8 | 94.9 | 95.8 | 98.0 | 102.1 | 98.1 | 96.3 | 94.8 | 93.1 | | 156.7 |
| BAR 29.5 HG | 500 | 85.1 | 87.6 | 90.2 | 90.8 | 91.8 | 93.8 | 95.2 | 96.2 | 98.0 | 101.6 | 97.8 | 93.8 | 91.8 | 90.5 | | 156.3 |
| (99550. N/112) | 630 | 86.7 | 88.7 | 89.5 | 90.5 | 91.7 | 91.8 | 95.0 | 96.7 | 99.5 | 101.9 | 99.4 | 95.8 | 94.2 | 93.0 | | 157.0 |
| TAMB 68. DEG F | 800 | 86.7 | 89.0 | 90.4 | 91.3 | 92.6 | 93.6 | 96.1 | 96.6 | 100.2 | 102.4 | 99.8 | 96.6 | 93.8 | 93.5 | | 157.7 |
| (293. DEG K) | 1000 | 88.0 | 89.8 | 90.8 | 92.0 | 93.2 | 94.3 | 96.7 | 97.9 | 101.5 | 103.6 | 101.4 | 98.5 | 95.9 | 95.6 | | 159.0 |
| TWET 59. DEG F | 1250 | 89.2 | 91.6 | 91.9 | 92.9 | 94.4 | 95.8 | 97.3 | 98.7 | 102.8 | 103.6 | 102.8 | 99.9 | 98.1 | 97.9 | | 160.1 |
| (268. DEG K) | 1600 | 88.9 | 91.7 | 92.3 | 93.3 | 94.2 | 95.4 | 97.2 | 99.3 | 102.5 | 103.4 | 102.0 | 100.7 | 98.7 | 97.6 | | 160.2 |
| FACT 8.91 GN/M3 | 2000 | 87.2 | 91.0 | 92.2 | 94.0 | 93.3 | 94.7 | 96.1 | 98.6 | 100.9 | 101.3 | 100.7 | 99.0 | 97.5 | 95.8 | | 159.0 |
| (.00891 KG/M3) | 2500 | 85.5 | 89.8 | 91.0 | 92.8 | 91.3 | 92.3 | 94.1 | 95.4 | 98.3 | 98.3 | 97.7 | 96.0 | 94.8 | 93.3 | | 156.7 |
| FREQ. SHIFT | 3150 | 82.1 | 87.0 | 89.0 | 90.9 | 88.4 | 89.9 | 92.0 | 92.5 | 95.5 | 95.8 | 94.1 | 92.7 | 91.1 | 89.5 | | 154.4 |
| JET 9 | 4000 | 77.3 | 82.6 | 83.9 | 85.6 | 84.7 | 86.5 | 88.6 | 89.2 | 91.4 | 92.6 | 90.8 | 88.6 | 87.2 | 84.6 | | 151.3 |
| DIAMETER RATIO | 5000 | 74.5 | 79.7 | 80.4 | 82.7 | 81.5 | 81.6 | 83.8 | 85.9 | 88.5 | 89.1 | 87.0 | 83.9 | 82.9 | 80.6 | | 148.1 |
| DF/DM 8.00 | 6300 | 71.0 | 75.4 | 76.4 | 79.0 | 77.1 | 77.7 | 79.9 | 82.9 | 84.4 | 85.5 | 83.3 | 80.0 | 79.1 | 77.7 | | 145.6 |
| | 8000 | 69.1 | 72.0 | 72.4 | 76.6 | 72.9 | 73.7 | 75.7 | 81.5 | 81.2 | 83.4 | 80.7 | 77.9 | 77.1 | 78.6 | | 145.0 |
| | 10000 | 68.6 | 68.4 | 68.5 | 73.0 | 70.2 | 70.8 | 72.1 | 81.6 | 79.0 | 82.5 | 80.0 | 77.3 | 78.3 | 79.2 | | 146.6 |
| OVERALL CALCULATED | | 99.6 | 102.1 | 103.4 | 104.5 | 104.9 | 106.0 | 107.5 | 108.8 | 111.6 | 113.5 | 111.8 | 110.0 | 108.2 | 107.5 | | 169.8 |
| PNDB | | 109.6 | 113.0 | 114.3 | 115.8 | 115.2 | 116.5 | 118.0 | 119.8 | 122.2 | 123.5 | 122.1 | 120.3 | 118.7 | 117.5 | | |

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OF POOR QUALITY

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| SPL INPUT AT STD | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| REV. ALPHA 12/73 | | | | | | | | | | | | | | | | | | | | |
| 40 EGA | 63 | 57.3 | 55.6 | 61.3 | 64.2 | 66.7 | 71.7 | 68.4 | 69.0 | 70.6 | 71.9 | 67.5 | 68.7 | 69.1 | 66.8 | | | | | |
| SIDELINE 7407. FT. | 80 | 61.0 | 64.2 | 64.8 | 64.9 | 69.2 | 69.9 | 69.6 | 70.0 | 70.6 | 70.7 | 72.1 | 73.8 | 68.1 | 69.0 | | | | | |
| (731.52 M) | 100 | 63.3 | 68.8 | 70.7 | 72.1 | 72.9 | 73.6 | 75.1 | 75.7 | 74.9 | 77.9 | 78.5 | 78.7 | 73.5 | 70.2 | | | | | |
| NFA 1. RPM | 125 | 62.7 | 66.4 | 71.2 | 70.8 | 70.8 | 74.2 | 74.5 | 75.1 | 79.2 | 81.9 | 79.6 | 73.2 | 71.8 | 64.9 | | | | | |
| (0. RAD/SEC) | 160 | 62.4 | 68.8 | 72.4 | 75.2 | 74.4 | 70.6 | 78.2 | 78.6 | 80.4 | 80.8 | 79.4 | 77.1 | 72.9 | 65.6 | | | | | |
| NFK 1. RPM | 200 | 62.7 | 67.1 | 69.0 | 72.8 | 74.4 | 77.2 | 77.2 | 77.2 | 77.4 | 79.0 | 76.7 | 73.9 | 68.8 | 65.3 | | | | | |
| (0. RAD/SEC) | 250 | 62.4 | 66.2 | 68.2 | 72.0 | 74.4 | 73.5 | 76.3 | 76.9 | 78.6 | 80.0 | 76.1 | 74.4 | 69.0 | 62.3 | | | | | |
| NFD 1. RPM | 315 | 62.7 | 66.7 | 71.1 | 72.3 | 74.3 | 75.8 | 76.1 | 78.3 | 79.5 | 82.7 | 77.6 | 73.0 | 69.6 | 62.6 | | | | | |
| (0. RAD/SEC) | 400 | 60.9 | 66.8 | 70.5 | 71.8 | 73.5 | 73.9 | 76.2 | 77.0 | 78.7 | 81.9 | 76.7 | 73.0 | 68.7 | 62.4 | | | | | |
| AIRFLOW RATIO | 500 | 58.4 | 63.8 | 68.3 | 70.2 | 72.2 | 74.6 | 76.2 | 77.0 | 78.3 | 81.1 | 75.9 | 69.9 | 65.0 | 58.8 | | | | | |
| WF/WB 8.00 | 630 | 59.1 | 64.2 | 67.2 | 69.5 | 71.6 | 72.2 | 75.6 | 77.1 | 79.4 | 80.9 | 77.0 | 71.3 | 66.6 | 60.1 | | | | | |
| | 800 | 57.9 | 63.7 | 67.3 | 69.7 | 71.9 | 73.5 | 76.2 | 76.5 | 79.6 | 80.7 | 76.7 | 71.3 | 65.0 | 58.9 | | | | | |
| VEHICLE JENOTS | 1000 | 57.8 | 63.4 | 66.8 | 69.6 | 71.9 | 73.6 | 76.2 | 77.2 | 80.2 | 81.3 | 77.4 | 72.1 | 65.8 | 59.0 | | | | | |
| CONFIG JE-000 | 1250 | 57.4 | 64.0 | 66.9 | 69.7 | 72.2 | 74.3 | 76.0 | 77.2 | 80.6 | 80.3 | 77.8 | 72.3 | 66.3 | 58.7 | | | | | |
| LOC EVENDALE | 1600 | 54.7 | 62.2 | 65.8 | 68.7 | 70.8 | 72.7 | 74.8 | 76.6 | 79.1 | 78.8 | 75.5 | 71.2 | 64.5 | 54.8 | | | | | |
| DATE 05-13-75 | 2000 | 50.1 | 59.3 | 63.9 | 67.9 | 68.5 | 70.7 | 72.3 | 74.5 | 76.1 | 75.1 | 72.3 | 67.3 | 60.4 | 48.7 | | | | | |
| RUN DBTF MODEL 11A | 2500 | 44.2 | 54.9 | 60.0 | 64.3 | 64.4 | 66.2 | 68.4 | 69.4 | 71.4 | 69.8 | 66.7 | 61.1 | 53.4 | 39.9 | | | | | |
| TAPE X11050 | 3150 | 34.0 | 47.0 | 53.8 | 58.7 | 58.1 | 60.7 | 63.1 | 63.3 | 65.3 | 63.7 | 58.8 | 52.7 | 43.0 | 26.0 | | | | | |
| FAN TIP SPEED | 4000 | 19.2 | 34.9 | 42.4 | 47.9 | 49.4 | 52.5 | 55.0 | 55.3 | 56.1 | 54.9 | 49.2 | 40.9 | 29.0 | 6.0 | | | | | |
| FT/SFC | 5000 | 10.5 | 27.5 | 35.2 | 41.8 | 43.3 | 44.8 | 47.5 | 49.2 | 50.3 | 48.2 | 41.8 | 31.8 | 18.9 | | | | | | |
| | 6300 | | 10.1 | 20.4 | 28.6 | 30.3 | 32.8 | 35.6 | 38.0 | 37.6 | 35.2 | 27.3 | 14.7 | | | | | | | |
| | 8000 | | | | 11.9 | 13.0 | 16.3 | 19.1 | 24.1 | 21.2 | 18.6 | 8.1 | | | | | | | | |
| | 10000 | | | | | | | | 6.8 | 0.7 | | | | | | | | | | |
| OVERALL CALCULATED | | 72.6 | 77.5 | 80.9 | 83.0 | 84.5 | 86.2 | 87.7 | 88.6 | 90.6 | 92.1 | 88.9 | 85.7 | 81.1 | 76.7 | | | | | |
| PND8 | | 76.1 | 82.8 | 86.7 | 89.9 | 91.2 | 93.1 | 95.0 | 96.3 | 98.4 | 98.8 | 95.4 | 91.1 | 85.1 | 77.7 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|--|-------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| NO EGA | | 50 | 79.4 | 75.5 | 78.6 | 79.4 | 81.7 | 86.0 | 83.6 | 84.3 | 86.8 | 89.8 | 86.8 | 90.3 | 94.2 | 91.1 | | | | 147.4 |
| RDG. NO. 0. | | 63 | 75.3 | 76.6 | 80.3 | 81.3 | 82.2 | 84.4 | 84.7 | 84.5 | 86.7 | 86.2 | 88.7 | 92.1 | 88.8 | 94.8 | | | | 147.2 |
| RADIAL 320. FT. | | 80 | 80.3 | 80.5 | 80.2 | 78.2 | 81.5 | 82.3 | 81.6 | 82.9 | 85.2 | 86.5 | 91.0 | 96.3 | 94.7 | 97.1 | | | | 149.4 |
| (93. M) | | 100 | 81.7 | 83.7 | 83.4 | 83.8 | 83.5 | 84.5 | 86.4 | 88.1 | 88.8 | 93.3 | 97.2 | 102.0 | 99.0 | 100.5 | | | | 154.4 |
| VEHICLE JENOTS | | 125 | 81.6 | 81.1 | 85.0 | 82.7 | 82.8 | 85.2 | 86.7 | 87.3 | 92.6 | 96.6 | 97.2 | 93.9 | 96.8 | 93.7 | | | | 152.3 |
| CONFIG JF-000 | | 160 | 81.7 | 83.7 | 85.9 | 87.8 | 86.2 | 88.2 | 89.7 | 90.4 | 93.7 | 95.1 | 96.1 | 96.0 | 93.7 | 90.7 | | | | 152.3 |
| LOC EVEJDALE | | 200 | 81.8 | 82.7 | 83.7 | 85.2 | 86.1 | 88.5 | 89.0 | 89.0 | 89.6 | 91.2 | 92.6 | 91.2 | 88.6 | 88.7 | | | | 149.3 |
| DATE 05-13-75 | | 250 | 81.6 | 80.8 | 81.8 | 84.1 | 85.2 | 83.8 | 87.0 | 87.3 | 91.0 | 92.1 | 93.9 | 93.0 | 88.1 | 85.5 | | | | 149.4 |
| RUI DIFF MODEL 11A | | 315 | 81.8 | 81.0 | 84.2 | 83.7 | 85.1 | 86.4 | 86.8 | 88.6 | 89.8 | 93.1 | 93.0 | 90.2 | 87.9 | 85.0 | | | | 149.1 |
| TAPE X11110 | | 400 | 79.8 | 81.6 | 83.3 | 83.4 | 83.6 | 83.8 | 85.7 | 86.9 | 89.3 | 92.1 | 92.2 | 89.9 | 87.1 | 85.9 | | | | 148.2 |
| BAR 20.5 HG | | 500 | 77.9 | 78.9 | 81.5 | 82.0 | 82.6 | 85.6 | 84.8 | 86.4 | 89.0 | 91.6 | 91.0 | 86.8 | 84.5 | 83.0 | | | | 147.4 |
| (99516. N/42) | | 630 | 79.0 | 80.0 | 80.8 | 81.8 | 82.3 | 82.3 | 84.8 | 86.5 | 89.5 | 93.2 | 92.7 | 88.6 | 85.2 | 84.8 | | | | 148.3 |
| TAMB 08. DEG F | | 800 | 78.0 | 80.1 | 81.0 | 81.9 | 82.4 | 83.2 | 85.0 | 85.1 | 88.6 | 91.7 | 93.4 | 88.9 | 84.8 | 85.6 | | | | 148.0 |
| (293. DEG K) | | 1000 | 78.1 | 80.9 | 81.6 | 81.8 | 83.3 | 83.9 | 84.8 | 85.5 | 88.6 | 92.2 | 93.0 | 90.1 | 86.2 | 86.7 | | | | 148.4 |
| TWET 57. DEG F | | 1250 | 78.1 | 82.3 | 82.5 | 82.8 | 83.3 | 83.4 | 83.5 | 85.1 | 89.2 | 92.0 | 92.5 | 90.3 | 87.0 | 86.4 | | | | 148.5 |
| (287. DEG K) | | 1600 | 77.1 | 81.9 | 82.0 | 82.2 | 81.6 | 82.4 | 82.9 | 84.3 | 88.7 | 91.1 | 90.7 | 89.2 | 86.1 | 85.5 | | | | 147.6 |
| HALT 3.91 GN/M3 | | 2000 | 74.7 | 79.7 | 80.7 | 81.3 | 81.1 | 81.5 | 80.8 | 84.1 | 87.4 | 89.3 | 89.4 | 87.2 | 84.2 | 83.1 | | | | 146.3 |
| (0.00891 KG/M3) | | 2500 | 72.1 | 77.9 | 78.5 | 79.1 | 78.6 | 77.8 | 78.9 | 81.2 | 85.3 | 86.3 | 86.7 | 84.5 | 81.5 | 80.8 | | | | 144.1 |
| FREQ. SHIFT | | 3150 | 68.9 | 75.8 | 76.6 | 77.4 | 75.9 | 75.4 | 76.6 | 78.8 | 81.8 | 83.4 | 82.6 | 81.3 | 79.1 | 77.8 | | | | 141.5 |
| JET 9 | | 4000 | 65.3 | 71.7 | 72.7 | 73.1 | 72.0 | 72.5 | 72.8 | 75.3 | 77.4 | 79.6 | 79.5 | 77.4 | 75.2 | 75.1 | | | | 138.5 |
| DIAMETER RATIO | | 5000 | 62.7 | 68.6 | 69.6 | 70.4 | 69.0 | 67.8 | 69.0 | 71.4 | 72.8 | 76.1 | 75.8 | 72.9 | 72.6 | 74.6 | | | | 135.3 |
| DF/DH 8.00 | | 6300 | 59.4 | 66.1 | 66.8 | 68.6 | 65.8 | 65.8 | 66.6 | 68.3 | 68.8 | 76.5 | 75.7 | 72.7 | 73.0 | 75.4 | | | | 135.7 |
| OVERALL CALCULATED | | 8000 | 58.7 | 65.9 | 65.3 | 69.0 | 66.6 | 66.8 | 66.8 | 69.4 | 66.8 | 78.7 | 76.8 | 74.7 | 75.2 | 77.3 | | | | 139.0 |
| PNDB | | 10000 | 58.1 | 65.7 | 65.7 | 68.7 | 67.7 | 68.1 | 69.2 | 70.9 | 67.0 | 80.5 | 78.8 | 76.6 | 77.3 | 79.5 | | | | 143.4 |
| | | | 92.2 | 93.7 | 95.1 | 95.6 | 96.0 | 97.3 | 98.2 | 99.2 | 102.0 | 104.7 | 105.7 | 106.1 | 104.3 | 104.6 | | | | 162.2 |
| | | | 99.4 | 103.0 | 104.1 | 104.7 | 104.6 | 104.9 | 105.7 | 107.6 | 110.5 | 113.2 | 113.5 | 111.8 | 109.4 | 109.6 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | 0. 0. 0. | | |
|--------------------|------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|----------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| SPL INPUT AT STD | REV: ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | | 50 | 55.6 | 53.9 | 58.5 | 60.5 | 63.4 | 63.2 | 65.9 | 66.5 | 68.6 | 70.9 | 66.7 | 68.7 | 70.4 | 63.8 | | | | |
| | NO CGA | 63 | 51.4 | 54.9 | 60.2 | 62.3 | 64.0 | 60.5 | 67.0 | 66.6 | 68.4 | 67.2 | 68.6 | 70.5 | 64.9 | 67.4 | | | | |
| SIDELINE 2400. FT. | | 80 | 56.3 | 58.7 | 60.1 | 59.2 | 63.2 | 64.4 | 63.9 | 65.0 | 66.9 | 67.4 | 70.8 | 74.6 | 70.6 | 67.5 | | | | |
| | (731.52 M) | 100 | 57.5 | 61.8 | 63.2 | 64.6 | 65.1 | 66.6 | 68.6 | 70.2 | 70.4 | 74.1 | 77.0 | 80.2 | 74.8 | 72.7 | | | | |
| NFA | 1. RPM | 125 | 57.2 | 59.2 | 64.7 | 63.5 | 64.3 | 67.2 | 68.8 | 69.3 | 74.2 | 77.4 | 76.9 | 71.9 | 72.5 | 65.6 | | | | |
| | (0. RAD/SEC) | 160 | 57.2 | 61.6 | 65.4 | 68.5 | 67.7 | 70.1 | 71.7 | 72.3 | 75.1 | 75.8 | 75.6 | 73.9 | 69.1 | 62.3 | | | | |
| NFK | 1. RPM | 200 | 57.0 | 60.4 | 63.0 | 65.8 | 67.4 | 70.2 | 70.9 | 70.7 | 70.9 | 71.8 | 72.0 | 68.9 | 63.8 | 60.0 | | | | |
| | (0. RAD/SEC) | 250 | 56.4 | 58.2 | 60.9 | 64.5 | 66.4 | 65.5 | 68.8 | 68.9 | 72.1 | 72.5 | 73.1 | 70.4 | 63.0 | 56.3 | | | | |
| NFD | 1. RPM | 315 | 56.2 | 58.1 | 63.1 | 63.8 | 66.0 | 67.8 | 68.4 | 70.0 | 70.7 | 73.2 | 71.9 | 67.3 | 62.3 | 55.1 | | | | |
| | (0. RAD/SEC) | 400 | 53.7 | 58.3 | 61.8 | 63.3 | 64.2 | 65.0 | 67.0 | 68.0 | 70.0 | 71.9 | 70.7 | 66.6 | 60.9 | 55.2 | | | | |
| AIRFLOW RATIO | | 500 | 51.1 | 55.1 | 59.6 | 61.5 | 63.0 | 66.4 | 65.7 | 67.3 | 69.4 | 71.1 | 69.2 | 63.0 | 57.8 | 51.3 | | | | |
| WF/WI 8.00 | | 630 | 51.3 | 55.5 | 58.4 | 60.8 | 62.2 | 62.7 | 65.4 | 66.9 | 69.5 | 72.2 | 70.3 | 64.1 | 57.6 | 51.9 | | | | |
| | | 800 | 49.2 | 54.7 | 57.9 | 60.2 | 61.7 | 63.1 | 65.0 | 65.0 | 67.9 | 70.1 | 70.3 | 63.6 | 56.1 | 50.9 | | | | |
| VEHICLE JENOTS | | 1000 | 48.0 | 54.5 | 57.7 | 59.5 | 62.0 | 63.2 | 64.3 | 64.8 | 67.3 | 69.9 | 69.0 | 63.7 | 56.1 | 50.1 | | | | |
| CONFIG JE-000 | | 1250 | 46.3 | 54.6 | 57.5 | 59.6 | 61.1 | 61.9 | 62.1 | 63.6 | 67.0 | 68.7 | 67.4 | 62.7 | 55.2 | 47.2 | | | | |
| LOC FVEIDALE | | 1600 | 42.9 | 52.5 | 55.5 | 57.6 | 58.3 | 59.7 | 60.5 | 61.6 | 65.3 | 66.5 | 64.2 | 59.7 | 51.9 | 42.7 | | | | |
| DATE 05-13-75 | | 2000 | 37.6 | 48.0 | 52.4 | 55.1 | 56.2 | 56.4 | 57.0 | 60.0 | 62.5 | 63.1 | 61.1 | 55.5 | 47.1 | 35.9 | | | | |
| RUN DBTFMODEL11A | | 2500 | 30.7 | 43.0 | 47.6 | 50.6 | 51.7 | 51.8 | 53.2 | 55.2 | 58.4 | 57.8 | 55.7 | 49.6 | 40.2 | 27.4 | | | | |
| TAPE X1110 | | 3150 | 20.8 | 35.8 | 41.3 | 45.2 | 45.6 | 46.2 | 47.7 | 49.6 | 51.6 | 51.2 | 47.4 | 41.2 | 31.1 | 14.3 | | | | |
| FAN TIP SPEED | | 4000 | 7.2 | 23.9 | 31.1 | 35.5 | 36.7 | 38.5 | 39.3 | 41.3 | 42.1 | 41.9 | 38.0 | 29.7 | 17.1 | | | | | |
| | FT/SEC | 5000 | | 16.5 | 24.4 | 29.5 | 30.8 | 31.0 | 32.7 | 34.6 | 34.5 | 35.2 | 30.5 | 20.8 | 8.6 | | | | | |
| | | 6300 | | 0.8 | 10.8 | 18.3 | 19.0 | 20.9 | 22.3 | 23.4 | 22.0 | 26.1 | 19.7 | 7.4 | | | | | | |
| | | 8000 | | | | 4.3 | 6.6 | 9.5 | 10.3 | 12.0 | 6.9 | 14.0 | 4.2 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 66.6 | 70.0 | 73.4 | 75.3 | 76.5 | 78.5 | 79.5 | 80.3 | 82.5 | 84.4 | 84.3 | 83.7 | 79.6 | 76.4 | | | | |
| | PWDB | | 68.2 | 73.5 | 77.3 | 79.4 | 80.7 | 82.4 | 83.5 | 84.6 | 87.1 | 88.5 | 87.5 | 85.7 | 79.5 | 74.6 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| SPL INPUT AT STD | | | | | | | | | | | | | | | | | | | | |
| REV. ALPHA 12/73 | FREQ. | | | | | | | | | | | | | | | | | | | |
| | 50 | 82.4 | 78.2 | 81.6 | 82.4 | 84.7 | 89.5 | 86.6 | 87.6 | 89.3 | 91.8 | 89.0 | 93.8 | 95.7 | 97.1 | | | | 150.3 | |
| NO EGA | 63 | 78.8 | 79.8 | 83.6 | 83.8 | 85.5 | 87.1 | 87.7 | 87.5 | 89.2 | 89.4 | 92.0 | 95.1 | 89.3 | 98.3 | | | | 150.1 | |
| RDG. NO. 0. | 80 | 84.3 | 84.7 | 84.0 | 83.0 | 86.5 | 86.3 | 85.9 | 87.4 | 88.7 | 90.0 | 93.7 | 98.3 | 94.7 | 100.3 | | | | 152.0 | |
| RADIAL 320. FT. | 100 | 86.2 | 88.9 | 89.1 | 89.3 | 89.3 | 89.5 | 91.7 | 92.4 | 92.5 | 97.0 | 99.7 | 102.8 | 99.0 | 99.7 | | | | 156.1 | |
| (90. M) | 125 | 86.1 | 86.9 | 90.5 | 87.9 | 88.0 | 90.7 | 90.4 | 91.6 | 96.1 | 100.1 | 100.0 | 95.4 | 96.8 | 93.2 | | | | 155.2 | |
| VEHICLE JENOTS | 160 | 85.7 | 88.9 | 91.1 | 92.5 | 91.2 | 93.2 | 94.9 | 94.7 | 97.2 | 98.4 | 98.6 | 97.7 | 95.7 | 91.2 | | | | 155.6 | |
| CONFIG JE-000 | 200 | 86.0 | 87.7 | 88.4 | 90.0 | 90.8 | 92.7 | 93.8 | 93.2 | 93.8 | 95.7 | 95.6 | 94.2 | 91.6 | 91.0 | | | | 153.3 | |
| LOC EVENDALE | 250 | 86.3 | 87.3 | 86.5 | 89.6 | 90.7 | 89.8 | 92.0 | 92.3 | 94.5 | 96.9 | 94.9 | 94.7 | 90.8 | 88.3 | | | | 153.0 | |
| DATE 05-13-75 | 315 | 86.0 | 86.8 | 90.5 | 89.7 | 90.8 | 91.7 | 91.8 | 94.9 | 95.5 | 99.3 | 96.5 | 92.9 | 91.6 | 89.0 | | | | 154.3 | |
| RUN DBTFMODEL11A | 400 | 85.3 | 88.1 | 89.3 | 89.2 | 90.1 | 89.3 | 91.7 | 92.9 | 95.0 | 99.1 | 96.4 | 93.9 | 92.8 | 90.4 | | | | 154.0 | |
| TAPE X11130 | 500 | 83.4 | 85.7 | 88.2 | 88.3 | 89.1 | 91.3 | 92.3 | 93.7 | 95.5 | 98.9 | 95.8 | 91.5 | 89.3 | 87.8 | | | | 153.8 | |
| BAR 29.5 HG | 630 | 85.2 | 86.2 | 87.6 | 88.6 | 89.0 | 89.6 | 92.3 | 95.0 | 97.5 | 99.7 | 97.7 | 93.6 | 91.5 | 90.3 | | | | 154.9 | |
| (99550. N/M2) | 800 | 84.8 | 87.1 | 88.0 | 88.9 | 90.9 | 91.2 | 93.5 | 94.6 | 98.1 | 101.4 | 98.6 | 95.2 | 91.3 | 90.6 | | | | 156.0 | |
| TAMB 68. DEG F | 1000 | 85.6 | 87.1 | 88.4 | 89.6 | 90.8 | 92.2 | 94.3 | 95.5 | 99.1 | 102.5 | 100.2 | 97.1 | 93.7 | 93.2 | | | | 157.3 | |
| (293. DEG K) | 1250 | 86.6 | 89.3 | 89.8 | 90.6 | 91.5 | 93.4 | 95.2 | 97.1 | 100.7 | 102.7 | 101.2 | 98.8 | 96.0 | 94.6 | | | | 158.4 | |
| TWET 57. DEG F | 1600 | 86.1 | 90.2 | 90.8 | 91.2 | 91.6 | 92.6 | 94.7 | 97.5 | 100.5 | 102.3 | 101.0 | 98.9 | 96.1 | 94.8 | | | | 158.5 | |
| (287. DEG K) | 2000 | 84.2 | 88.7 | 89.7 | 90.8 | 90.6 | 91.7 | 94.1 | 96.8 | 99.1 | 100.5 | 99.4 | 97.5 | 95.2 | 93.3 | | | | 157.3 | |
| HACT 3.91 GM/M3 | 2500 | 82.8 | 87.4 | 89.3 | 89.6 | 89.1 | 89.6 | 92.2 | 94.5 | 96.8 | 97.6 | 96.5 | 95.0 | 92.8 | 91.1 | | | | 155.2 | |
| (.00891 KG/M3) | 3150 | 80.1 | 86.1 | 87.8 | 88.4 | 86.4 | 88.2 | 90.1 | 91.6 | 93.3 | 94.9 | 93.6 | 91.8 | 89.6 | 88.0 | | | | 153.0 | |
| FREQ. SHIFT | 4000 | 75.6 | 81.7 | 83.2 | 83.6 | 81.7 | 84.5 | 86.3 | 88.3 | 89.4 | 91.6 | 89.3 | 87.9 | 85.9 | 83.1 | | | | 149.9 | |
| JET 9 | 5000 | 72.4 | 77.1 | 79.4 | 79.9 | 78.5 | 79.5 | 81.7 | 84.4 | 85.8 | 87.6 | 85.3 | 82.4 | 80.9 | 79.6 | | | | 146.2 | |
| DIAMETER RATIO | 6300 | 69.1 | 73.1 | 75.1 | 75.9 | 74.3 | 75.3 | 77.9 | 81.0 | 81.8 | 84.7 | 82.0 | 79.2 | 77.5 | 77.1 | | | | 143.9 | |
| DF/DM 8.00 | 8000 | 67.5 | 69.7 | 71.3 | 72.8 | 70.8 | 71.3 | 73.5 | 80.4 | 79.1 | 82.7 | 79.3 | 77.0 | 76.7 | 78.3 | | | | 143.7 | |
| | 10000 | 67.8 | 67.2 | 68.0 | 71.2 | 69.2 | 69.8 | 70.9 | 80.9 | 77.8 | 81.8 | 79.1 | 77.3 | 77.6 | 79.3 | | | | 145.8 | |
| OVERALL CALCULATED | | 97.8 | 100.2 | 101.6 | 102.1 | 102.6 | 103.8 | 105.4 | 107.0 | 109.5 | 112.0 | 110.7 | 109.5 | 107.1 | 107.4 | | | | 168.2 | |
| PND8 | | 107.4 | 110.9 | 112.6 | 113.1 | 113.0 | 114.0 | 115.9 | 118.2 | 120.3 | 122.3 | 120.9 | 119.1 | 116.9 | 115.6 | | | | | |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. |
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (1.07) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) |
| NO EGA | 50 | 58.6 | 56.6 | 61.5 | 63.5 | 66.4 | 71.7 | 68.9 | 69.8 | 71.1 | 72.9 | 69.0 | 72.2 | 71.9 | 69.8 | |
| SIDELINE 2400. FT. | 63 | 54.9 | 58.2 | 63.5 | 64.8 | 67.2 | 69.3 | 70.0 | 69.6 | 70.9 | 70.5 | 71.9 | 73.5 | 65.4 | 70.9 | |
| (731.52 M) | 100 | 60.3 | 63.0 | 63.8 | 63.9 | 68.2 | 68.4 | 68.1 | 69.5 | 70.4 | 70.9 | 73.6 | 76.6 | 70.6 | 72.7 | |
| NFA 1. RPM | 125 | 62.0 | 67.1 | 68.9 | 70.1 | 70.9 | 71.6 | 73.9 | 74.4 | 74.2 | 77.9 | 79.5 | 80.9 | 74.8 | 71.9 | |
| (0. RAD/SEC) | 160 | 61.7 | 64.9 | 70.2 | 68.8 | 69.6 | 72.7 | 72.5 | 73.6 | 77.7 | 80.9 | 79.6 | 73.4 | 72.5 | 65.4 | |
| NFK 1. RPM | 200 | 61.2 | 66.8 | 70.6 | 73.2 | 72.7 | 75.1 | 76.9 | 76.6 | 78.6 | 79.1 | 78.1 | 75.6 | 71.1 | 62.8 | |
| (0. RAD/SEC) | 250 | 61.2 | 64.7 | 65.7 | 70.0 | 71.9 | 71.5 | 73.8 | 73.9 | 75.6 | 77.2 | 74.1 | 72.2 | 65.7 | 59.0 | |
| NFD 1. RPM | 315 | 60.5 | 63.9 | 69.4 | 69.8 | 71.8 | 73.1 | 73.4 | 76.3 | 76.5 | 79.4 | 75.4 | 70.0 | 66.1 | 59.1 | |
| (0. RAD/SEC) | 400 | 59.2 | 64.8 | 67.8 | 69.0 | 70.7 | 70.5 | 73.0 | 74.0 | 75.7 | 78.9 | 75.0 | 70.6 | 66.7 | 59.7 | |
| AIRFLOW RATIO | 500 | 56.6 | 61.9 | 66.4 | 67.8 | 69.5 | 72.1 | 73.2 | 74.5 | 75.9 | 78.4 | 73.9 | 67.7 | 62.5 | 56.1 | |
| WF/WM 8.00 | 630 | 57.6 | 61.8 | 65.2 | 67.6 | 68.9 | 70.0 | 72.9 | 75.4 | 77.5 | 78.7 | 75.3 | 69.1 | 63.9 | 57.4 | |
| | 800 | 56.0 | 61.7 | 64.9 | 67.2 | 70.2 | 71.1 | 73.5 | 74.5 | 77.4 | 79.8 | 75.5 | 69.9 | 62.6 | 55.9 | |
| VEHICLE JENOTS | 1000 | 55.5 | 60.7 | 64.4 | 67.2 | 69.5 | 71.4 | 73.8 | 74.8 | 77.8 | 80.1 | 76.3 | 70.7 | 63.6 | 56.6 | |
| CONFIG JE-000 | 1250 | 54.8 | 61.6 | 64.8 | 67.3 | 69.4 | 71.9 | 73.9 | 75.6 | 78.5 | 79.4 | 76.2 | 71.2 | 64.2 | 55.4 | |
| LOC EVENDALE | 1600 | 51.9 | 60.7 | 64.3 | 66.6 | 68.3 | 69.9 | 72.2 | 74.8 | 77.1 | 77.7 | 74.5 | 69.4 | 61.9 | 52.0 | |
| DATE 05-13-75 | 2000 | 47.1 | 57.0 | 61.4 | 64.6 | 65.7 | 67.7 | 70.3 | 72.8 | 74.3 | 74.3 | 71.1 | 65.8 | 58.1 | 46.2 | |
| RUN DUTFMODEL11A | 2500 | 41.5 | 52.5 | 58.3 | 61.1 | 62.2 | 63.5 | 66.4 | 68.4 | 69.9 | 69.1 | 65.5 | 60.1 | 51.5 | 37.7 | |
| TAPE X11130 | 3150 | 32.1 | 46.0 | 52.6 | 56.2 | 56.1 | 58.9 | 61.2 | 62.4 | 63.1 | 62.7 | 58.4 | 51.7 | 41.6 | 25.1 | |
| FAN TIP SPEED | 4000 | 17.5 | 33.9 | 41.6 | 46.0 | 46.4 | 50.5 | 52.8 | 54.3 | 54.1 | 53.9 | 47.7 | 40.2 | 27.8 | 4.5 | |
| FT/SEC | 5000 | 8.4 | 25.0 | 34.2 | 39.0 | 40.3 | 42.8 | 45.5 | 47.6 | 47.5 | 46.7 | 40.0 | 30.3 | 16.9 | | |
| | 6300 | | 7.8 | 19.0 | 25.6 | 27.5 | 30.4 | 33.6 | 36.2 | 35.0 | 34.4 | 25.9 | 13.9 | | | |
| | 8000 | | | | 8.0 | 10.8 | 14.0 | 17.0 | 23.0 | 19.1 | 18.0 | 6.7 | | | | |
| | 10000 | | | | | | | | 6.1 | | | | | | | |
| OVERALL CALCULATED | | 71.3 | 75.7 | 79.1 | 80.9 | 82.4 | 84.1 | 85.6 | 86.7 | 88.5 | 90.4 | 88.0 | 85.8 | 80.9 | 78.3 | |
| PND | | 74.2 | 80.9 | 84.9 | 87.2 | 88.8 | 90.6 | 92.6 | 94.4 | 96.3 | 97.5 | 94.3 | 89.9 | 83.2 | 76.9 | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|-----------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|----------|------|--|-------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| NO EGA | | 50 | 85.9 | 82.2 | 85.1 | 86.2 | 87.9 | 92.0 | 89.8 | 89.8 | 93.1 | 95.3 | 93.3 | 97.5 | 99.7 | 102.4 | | | | 154.2 |
| RDG. NO. 0. | | 63 | 81.6 | 82.8 | 86.8 | 87.0 | 88.5 | 89.9 | 91.2 | 90.2 | 92.7 | 92.9 | 96.2 | 98.9 | 93.8 | 102.6 | | | | 153.9 |
| RADIAL 320. FT. | | 80 | 86.3 | 87.5 | 87.2 | 86.2 | 90.2 | 90.5 | 90.4 | 92.4 | 94.2 | 95.7 | 98.5 | 101.8 | 99.4 | 105.8 | | | | 156.6 |
| (98. M) | | 100 | 89.7 | 92.9 | 92.9 | 93.0 | 93.0 | 94.3 | 96.2 | 97.9 | 98.8 | 102.5 | 104.5 | 105.8 | 103.5 | 105.2 | | | | 160.6 |
| VEHICLE JENOTS | | 125 | 90.1 | 90.9 | 94.3 | 92.2 | 92.3 | 95.4 | 95.9 | 97.1 | 102.4 | 106.1 | 104.5 | 99.7 | 101.1 | 99.9 | | | | 160.5 |
| CONFIG JE-000 | | 160 | 90.5 | 93.9 | 95.9 | 97.3 | 95.5 | 97.7 | 99.2 | 100.4 | 103.2 | 104.9 | 104.1 | 103.5 | 101.7 | 97.4 | | | | 161.2 |
| LOC EVENDALE | | 200 | 90.8 | 93.2 | 93.9 | 95.5 | 95.6 | 93.0 | 98.3 | 99.2 | 100.1 | 102.5 | 101.6 | 100.2 | 97.9 | 98.2 | | | | 159.2 |
| DATE 05-13-75 | | 250 | 91.1 | 92.1 | 91.8 | 94.9 | 96.2 | 95.3 | 97.5 | 99.1 | 102.7 | 104.1 | 101.9 | 102.2 | 99.1 | 96.3 | | | | 160.0 |
| RUN DBTFMODEL11A | | 315 | 91.8 | 92.0 | 95.5 | 95.4 | 96.3 | 97.2 | 97.8 | 101.4 | 103.0 | 105.3 | 102.7 | 100.2 | 100.1 | 97.0 | | | | 160.7 |
| TAPE X11150 | | 400 | 91.0 | 93.9 | 95.2 | 95.7 | 96.3 | 96.3 | 98.1 | 100.3 | 103.0 | 105.6 | 102.1 | 101.1 | 99.5 | 98.1 | | | | 160.7 |
| BAR 29.5 HG | | 500 | 88.9 | 91.4 | 93.9 | 94.3 | 95.3 | 97.5 | 98.5 | 100.7 | 103.0 | 105.4 | 101.8 | 98.0 | 96.0 | 95.0 | | | | 160.3 |
| (99550. N/M2) | | 630 | 90.4 | 91.7 | 93.0 | 94.3 | 95.2 | 96.0 | 98.8 | 101.5 | 104.5 | 105.4 | 103.4 | 99.8 | 98.4 | 96.5 | | | | 161.1 |
| TAMB 68. DEG F | | 800 | 89.9 | 91.8 | 92.9 | 94.5 | 96.8 | 96.6 | 99.4 | 101.1 | 104.7 | 104.9 | 103.1 | 100.4 | 97.5 | 96.8 | | | | 161.2 |
| (293. DEG K) | | 1000 | 90.2 | 92.0 | 93.3 | 94.7 | 97.0 | 97.6 | 100.0 | 101.7 | 104.5 | 105.6 | 103.1 | 100.7 | 98.9 | 98.4 | | | | 161.6 |
| TWET 59. DEG F | | 1250 | 91.2 | 93.6 | 94.4 | 96.2 | 97.6 | 99.0 | 100.6 | 102.7 | 106.1 | 105.8 | 104.0 | 101.7 | 100.3 | 99.4 | | | | 162.7 |
| (288. DEG K) | | 1600 | 91.4 | 94.5 | 95.6 | 97.5 | 97.9 | 99.2 | 101.0 | 103.1 | 105.8 | 105.6 | 104.0 | 102.2 | 100.7 | 98.6 | | | | 163.0 |
| HACT 8.91 GM/M3 | | 2000 | 89.9 | 93.2 | 95.5 | 97.5 | 97.6 | 97.7 | 99.6 | 101.6 | 104.4 | 103.5 | 101.9 | 100.5 | 99.0 | 96.6 | | | | 161.6 |
| (00891 KG/M3) | | 2500 | 87.5 | 90.3 | 92.3 | 95.1 | 94.8 | 95.5 | 97.4 | 99.2 | 101.0 | 100.3 | 98.7 | 97.5 | 95.5 | 93.6 | | | | 159.0 |
| FREQ. SHIFT | | 3150 | 82.8 | 87.5 | 89.8 | 91.9 | 91.9 | 93.1 | 94.5 | 96.0 | 98.5 | 98.1 | 95.6 | 94.5 | 92.1 | 90.5 | | | | 156.7 |
| JET 9 | | 4000 | 78.8 | 83.4 | 85.4 | 87.6 | 88.2 | 89.7 | 91.3 | 93.2 | 94.6 | 95.1 | 92.8 | 90.4 | 88.4 | 85.3 | | | | 154.1 |
| DIAMETER RATIO | | 5000 | 75.7 | 79.4 | 83.2 | 85.0 | 85.0 | 85.3 | 87.3 | 89.2 | 91.8 | 91.1 | 88.5 | 85.9 | 83.9 | 83.9 | | | | 150.8 |
| D/D ₀ 8.00 | | 6300 | 71.2 | 75.4 | 79.6 | 81.0 | 81.1 | 81.7 | 84.2 | 86.1 | 87.9 | 88.5 | 85.3 | 82.5 | 81.1 | 84.4 | | | | 148.8 |
| | | 8000 | 68.3 | 71.5 | 77.7 | 77.6 | 78.7 | 79.2 | 80.7 | 83.8 | 85.7 | 86.6 | 82.7 | 78.9 | 78.3 | 87.1 | | | | 148.6 |
| | | 10000 | 68.1 | 67.9 | 77.2 | 73.2 | 78.5 | 78.6 | 79.9 | 83.1 | 83.0 | 85.0 | 81.5 | 77.8 | 78.0 | 89.0 | | | | 150.2 |
| OVERALL CALCULATED | | | 102.5 | 104.7 | 106.3 | 107.5 | 108.2 | 109.3 | 110.8 | 112.8 | 115.5 | 116.7 | 115.0 | 113.8 | 112.2 | 112.8 | | | | 173.2 |
| PNDB | | | 112.1 | 114.9 | 117.0 | 118.6 | 119.0 | 119.7 | 121.4 | 123.4 | 126.0 | 126.3 | 124.5 | 122.8 | 121.2 | 120.3 | | | | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DFG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.~) | (0.~) | (0.~) | |
| NO EGA | | 50 | 62.1 | 60.6 | 65.0 | 67.2 | 69.7 | 74.2 | 72.2 | 72.0 | 74.8 | 76.4 | 73.2 | 75.9 | 75.9 | 75.1 | | | |
| SIDELINE 2400. FT. | | 63 | 57.6 | 61.2 | 66.7 | 68.0 | 70.2 | 72.0 | 73.5 | 72.4 | 74.4 | 74.0 | 76.1 | 77.2 | 69.9 | 75.1 | | | |
| (731.52 M) | | 80 | 62.3 | 65.7 | 67.1 | 67.2 | 71.9 | 72.6 | 72.6 | 74.5 | 75.9 | 76.7 | 78.3 | 80.1 | 75.4 | 78.2 | | | |
| NFA 1. RPM | | 100 | 65.5 | 71.1 | 72.7 | 73.9 | 74.6 | 76.3 | 78.4 | 79.9 | 80.4 | 83.4 | 84.2 | 83.9 | 79.3 | 77.4 | | | |
| (0. RAD/SEC) | | 125 | 65.7 | 68.9 | 73.9 | 73.0 | 73.8 | 77.4 | 78.0 | 79.1 | 83.9 | 86.9 | 84.1 | 77.7 | 76.8 | 71.9 | | | |
| NFK 1. RPM | | 160 | 65.9 | 71.8 | 75.4 | 78.0 | 76.9 | 79.6 | 81.2 | 82.3 | 84.6 | 85.6 | 83.6 | 81.4 | 77.1 | 69.1 | | | |
| (0. RAD/SEC) | | 200 | 66.0 | 70.9 | 73.3 | 76.0 | 76.9 | 79.7 | 80.2 | 81.0 | 81.4 | 83.0 | 81.0 | 77.9 | 73.1 | 69.5 | | | |
| NFD 1. RPM | | 250 | 65.9 | 69.5 | 70.9 | 75.3 | 77.4 | 77.0 | 79.3 | 80.7 | 83.9 | 84.5 | 81.1 | 79.7 | 74.0 | 67.0 | | | |
| (0. RAD/SEC) | | 315 | 66.2 | 69.1 | 74.4 | 75.6 | 77.3 | 78.6 | 79.4 | 82.8 | 84.0 | 85.4 | 81.6 | 77.3 | 74.6 | 67.1 | | | |
| AIRFLOW RATIO | | 400 | 64.9 | 70.6 | 73.8 | 75.5 | 77.0 | 77.4 | 79.4 | 81.5 | 83.7 | 85.4 | 80.7 | 77.8 | 73.4 | 67.4 | | | |
| WF/W1 3.00 | | 500 | 62.1 | 67.6 | 72.1 | 73.7 | 75.7 | 78.4 | 79.5 | 81.5 | 83.3 | 84.8 | 79.9 | 74.2 | 69.2 | 63.3 | | | |
| | | 630 | 62.8 | 67.2 | 70.7 | 73.3 | 75.1 | 76.4 | 79.4 | 81.9 | 84.4 | 84.4 | 81.0 | 75.3 | 70.8 | 63.6 | | | |
| | | 800 | 61.2 | 66.4 | 69.8 | 72.9 | 76.2 | 76.5 | 79.4 | 81.0 | 84.1 | 83.2 | 79.9 | 75.0 | 68.8 | 62.1 | | | |
| VEHICLE JENOTS | | 1000 | 60.1 | 65.6 | 69.3 | 72.4 | 75.7 | 76.8 | 79.4 | 80.9 | 83.2 | 83.3 | 79.2 | 74.3 | 68.8 | 61.7 | | | |
| CONFIG JL-000 | | 1250 | 59.4 | 66.0 | 69.4 | 72.9 | 75.5 | 77.5 | 79.2 | 81.2 | 83.9 | 82.5 | 79.0 | 74.0 | 68.5 | 60.2 | | | |
| LOC EVENDALE | | 1600 | 57.2 | 65.0 | 69.1 | 72.9 | 74.6 | 76.5 | 78.5 | 80.4 | 82.4 | 81.0 | 77.5 | 72.7 | 66.5 | 55.8 | | | |
| DATE 05-13-75 | | 2000 | 52.8 | 61.5 | 67.1 | 71.4 | 72.7 | 73.7 | 75.8 | 77.5 | 79.6 | 77.3 | 73.6 | 68.8 | 61.9 | 49.4 | | | |
| RUN DBTFMODEL11A | | 2500 | 46.2 | 55.4 | 61.3 | 66.6 | 67.9 | 69.5 | 71.6 | 73.1 | 74.1 | 71.8 | 67.7 | 62.6 | 54.2 | 40.1 | | | |
| TAPE X11150 | | 3150 | 34.8 | 47.5 | 54.5 | 59.7 | 61.6 | 63.9 | 65.6 | 66.8 | 68.3 | 65.9 | 60.3 | 54.4 | 44.0 | 27.9 | | | |
| FAN TIP SPEED | | 4000 | 20.7 | 35.7 | 43.9 | 49.9 | 52.9 | 55.7 | 57.7 | 59.3 | 59.3 | 57.4 | 51.2 | 42.6 | 30.3 | 6.7 | | | |
| FT/SEC | | 5000 | 11.7 | 27.2 | 37.9 | 44.1 | 46.8 | 48.6 | 51.0 | 52.4 | 53.6 | 50.2 | 43.3 | 33.8 | 19.9 | | | | |
| | | 6300 | | 10.1 | 23.6 | 30.6 | 34.3 | 36.8 | 39.9 | 41.2 | 41.1 | 38.2 | 29.3 | 17.2 | | | | | |
| | | 8000 | | | 5.1 | 12.9 | 18.7 | 21.8 | 24.1 | 26.4 | 25.7 | 21.9 | 10.1 | | | | | | |
| | | 10000 | | | | | 0.2 | 3.8 | 6.3 | 8.3 | 4.7 | 0.1 | | | | | | | |
| OVERALL CALCULATED | | | 75.8 | 80.4 | 83.9 | 86.1 | 87.7 | 89.4 | 90.9 | 92.7 | 94.9 | 95.7 | 92.9 | 90.3 | 86.1 | 83.9 | | | |
| PNDS | | | 79.5 | 85.5 | 89.7 | 93.1 | 94.8 | 96.5 | 98.4 | 100.2 | 102.2 | 101.8 | 98.4 | 94.2 | 88.9 | 83.5 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|--|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | |
| | 50 | 82.2 | 78.7 | 81.3 | 82.4 | 84.4 | 88.2 | 86.8 | 87.1 | 89.8 | 92.3 | 90.3 | 93.5 | 96.0 | 97.1 | | | | 150.4 | |
| | 63 | 78.8 | 79.1 | 83.3 | 84.0 | 85.7 | 86.0 | 87.5 | 87.0 | 89.7 | 89.2 | 93.2 | 97.4 | 90.1 | 100.1 | | | | 151.3 | |
| NO EJA | 80 | 83.1 | 83.7 | 83.7 | 82.0 | 85.0 | 85.5 | 86.1 | 88.1 | 89.9 | 91.7 | 97.2 | 101.6 | 97.4 | 102.3 | | | | 154.3 | |
| RDG. NO. 0. | 100 | 84.5 | 86.4 | 86.6 | 86.8 | 87.3 | 88.8 | 90.9 | 92.6 | 93.8 | 98.8 | 102.7 | 106.5 | 102.2 | 102.7 | | | | 158.7 | |
| RADIAL 320. FT. | 125 | 85.1 | 85.1 | 88.3 | 86.2 | 86.5 | 89.2 | 90.4 | 91.6 | 96.9 | 101.6 | 102.2 | 97.7 | 99.6 | 96.4 | | | | 156.7 | |
| (98. 1) | 160 | 85.2 | 87.4 | 89.1 | 91.0 | 89.7 | 91.4 | 92.9 | 93.9 | 97.7 | 99.1 | 99.1 | 98.2 | 96.4 | 94.2 | | | | 155.6 | |
| VEHICLE JENOTS | 200 | 84.5 | 86.0 | 86.9 | 88.2 | 89.3 | 91.0 | 91.5 | 92.2 | 92.8 | 95.7 | 95.6 | 93.2 | 91.1 | 91.5 | | | | 152.4 | |
| CONFIG JE-000 | 250 | 84.3 | 83.8 | 85.0 | 87.7 | 88.5 | 87.6 | 90.5 | 91.3 | 96.0 | 96.9 | 96.9 | 93.8 | 89.6 | 87.3 | | | | 152.9 | |
| LOC EVENDALE | 315 | 84.3 | 84.0 | 87.0 | 87.0 | 88.1 | 89.2 | 89.6 | 92.4 | 93.3 | 97.3 | 94.0 | 91.2 | 90.2 | 87.2 | | | | 152.1 | |
| DATE 05-13-75 | 400 | 82.3 | 84.2 | 86.3 | 86.0 | 86.8 | 86.8 | 89.2 | 90.6 | 93.1 | 96.1 | 94.4 | 91.9 | 89.8 | 87.6 | | | | 151.4 | |
| RUN DIFF MODEL 11A | 500 | 79.9 | 82.0 | 84.5 | 85.1 | 85.9 | 88.3 | 88.5 | 90.2 | 93.3 | 95.4 | 92.8 | 88.1 | 85.6 | 85.0 | | | | 150.6 | |
| TAPE X11210 | 630 | 81.5 | 82.5 | 83.6 | 84.6 | 85.3 | 85.6 | 87.8 | 90.8 | 93.3 | 96.2 | 95.0 | 89.9 | 87.5 | 86.6 | | | | 151.3 | |
| BAR 29.5 HG | 800 | 80.6 | 82.6 | 83.8 | 84.9 | 86.2 | 86.8 | 88.7 | 89.4 | 93.6 | 96.5 | 95.7 | 91.0 | 87.1 | 87.6 | | | | 151.7 | |
| (99516. N/M2) | 1000 | 80.9 | 82.9 | 83.9 | 84.9 | 85.7 | 87.2 | 88.1 | 89.6 | 93.9 | 97.1 | 96.3 | 93.4 | 89.5 | 89.8 | | | | 152.4 | |
| TAMB 70. DEG F | 1250 | 81.4 | 84.4 | 84.9 | 85.7 | 86.1 | 86.8 | 88.1 | 89.5 | 94.6 | 97.1 | 96.8 | 93.7 | 90.4 | 90.7 | | | | 152.9 | |
| (294. DEG K) | 1600 | 80.3 | 84.6 | 84.9 | 85.6 | 85.5 | 86.3 | 87.6 | 89.7 | 93.6 | 96.0 | 95.4 | 93.6 | 89.8 | 91.2 | | | | 152.2 | |
| TWET 57. DEG F | 2000 | 77.4 | 82.2 | 83.9 | 84.5 | 83.7 | 84.6 | 86.0 | 89.0 | 93.0 | 93.7 | 93.6 | 91.4 | 88.2 | 91.5 | | | | 150.9 | |
| (287. DEG K) | 2500 | 75.2 | 79.8 | 81.5 | 82.8 | 81.5 | 82.2 | 83.6 | 86.4 | 90.3 | 90.5 | 90.9 | 88.2 | 85.5 | 91.0 | | | | 148.6 | |
| HACT 4.91 GH/M3 | 3150 | 72.6 | 78.5 | 79.2 | 81.1 | 79.4 | 79.6 | 81.5 | 84.0 | 86.8 | 88.3 | 87.3 | 85.5 | 82.6 | 92.8 | | | | 146.9 | |
| (.00491 KG/M3) | 4000 | 69.0 | 74.1 | 75.9 | 77.6 | 75.6 | 76.7 | 78.3 | 80.9 | 82.8 | 84.6 | 83.5 | 80.8 | 78.9 | 82.5 | | | | 144.0 | |
| FREQ. SHIFT | 5000 | 66.9 | 71.1 | 73.0 | 75.3 | 72.9 | 71.9 | 73.9 | 77.3 | 79.2 | 80.2 | 79.2 | 76.4 | 75.6 | 90.6 | | | | 142.3 | |
| JFT 9 | 6300 | 65.8 | 68.0 | 70.2 | 73.7 | 69.2 | 69.2 | 70.2 | 76.7 | 75.7 | 78.6 | 77.3 | 74.6 | 74.7 | 91.3 | | | | 142.9 | |
| DIAMETER RATIO | 8000 | 66.8 | 66.8 | 68.4 | 73.6 | 67.7 | 67.4 | 68.4 | 78.7 | 75.9 | 79.1 | 77.9 | 75.3 | 76.0 | 87.9 | | | | 143.3 | |
| DF/DN 3.03 | 10000 | 67.1 | 66.0 | 67.8 | 73.3 | 68.0 | 68.4 | 68.4 | 80.6 | 76.5 | 80.5 | 78.9 | 77.4 | 78.1 | 89.1 | | | | 147.2 | |
| OVERALL CALCULATED | | 95.1 | 96.5 | 98.1 | 98.8 | 99.2 | 100.5 | 101.7 | 103.2 | 106.5 | 109.2 | 109.6 | 110.0 | 107.0 | 108.6 | | | | 166.1 | |
| PNOB | | 102.7 | 105.6 | 107.1 | 108.2 | 107.7 | 108.6 | 109.9 | 112.5 | 115.6 | 117.5 | 117.1 | 115.3 | 112.5 | 117.6 | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| SPL INPUT AT STD | | | | | | | | | | | | | | | | | | | |
| REV. ALPHA 12/73 | FREQ. | | | | | | | | | | | | | | | | | | |
| | 50 | 58.3 | 57.1 | 61.3 | 63.5 | 66.2 | 70.4 | 69.2 | 69.3 | 71.6 | 73.4 | 70.2 | 71.9 | 72.1 | 62.8 | | | | |
| 40 LG1 | 63 | 54.9 | 57.4 | 63.2 | 65.0 | 67.5 | 68.8 | 69.8 | 69.1 | 71.4 | 70.2 | 73.1 | 75.7 | 66.1 | 72.6 | | | | |
| SIDELINE 240J. FT. | 80 | 59.0 | 62.0 | 63.6 | 62.9 | 66.7 | 67.6 | 68.4 | 70.2 | 71.6 | 72.7 | 77.1 | 79.8 | 73.4 | 74.7 | | | | |
| { 731.52 M) | 100 | 60.3 | 64.6 | 66.4 | 67.6 | 68.9 | 70.8 | 73.1 | 74.7 | 75.4 | 79.6 | 82.5 | 84.7 | 78.0 | 74.9 | | | | |
| NFA 1. RPM | 125 | 60.7 | 63.2 | 67.9 | 67.0 | 68.1 | 71.2 | 72.5 | 73.6 | 78.4 | 82.4 | 81.9 | 75.7 | 75.3 | 68.4 | | | | |
| (0. RAD/SEC) | 160 | 60.7 | 65.3 | 68.6 | 71.7 | 71.2 | 73.3 | 74.9 | 75.8 | 79.1 | 79.8 | 78.6 | 76.1 | 71.9 | 65.8 | | | | |
| NFY 1. RPM | 200 | 59.7 | 63.6 | 66.3 | 68.8 | 70.6 | 72.7 | 73.4 | 74.0 | 74.2 | 76.3 | 75.0 | 70.9 | 66.3 | 62.7 | | | | |
| (0. RAD/SEC) | 250 | 59.2 | 61.3 | 64.2 | 68.0 | 69.6 | 69.2 | 72.3 | 72.9 | 77.1 | 77.2 | 76.1 | 71.2 | 64.5 | 58.0 | | | | |
| NFD 1. RPM | 315 | 58.7 | 61.2 | 65.9 | 67.1 | 69.0 | 70.6 | 71.1 | 73.8 | 74.2 | 77.5 | 72.9 | 68.3 | 64.6 | 57.4 | | | | |
| (0. RAD/SEC) | 400 | 56.2 | 60.8 | 64.8 | 65.8 | 67.5 | 68.0 | 70.5 | 71.8 | 73.7 | 75.9 | 73.0 | 68.6 | 63.7 | 56.9 | | | | |
| AIRFLOW RATIO | 500 | 53.2 | 58.1 | 62.6 | 64.6 | 66.2 | 69.2 | 69.5 | 71.0 | 73.7 | 74.9 | 71.0 | 64.3 | 58.8 | 53.4 | | | | |
| WF/14 8.00 | 630 | 53.9 | 58.1 | 61.2 | 63.6 | 65.2 | 66.0 | 68.4 | 71.2 | 73.2 | 75.3 | 72.6 | 65.4 | 59.9 | 53.6 | | | | |
| | 800 | 51.8 | 57.3 | 60.7 | 63.3 | 65.5 | 66.6 | 68.8 | 69.3 | 72.9 | 74.9 | 72.6 | 65.7 | 58.4 | 53.0 | | | | |
| VEHICLE JENOTS | 1000 | 50.8 | 56.6 | 60.0 | 62.6 | 64.3 | 66.5 | 67.6 | 68.8 | 72.6 | 74.7 | 72.4 | 67.0 | 59.4 | 53.1 | | | | |
| CONFIG JE-000 | 1250 | 49.6 | 56.7 | 59.9 | 62.4 | 64.0 | 65.3 | 66.7 | 67.9 | 72.4 | 73.8 | 71.8 | 66.0 | 58.6 | 51.5 | | | | |
| LOC EVENDALE | 1600 | 46.1 | 55.1 | 58.4 | 61.0 | 62.2 | 63.6 | 65.1 | 67.0 | 70.2 | 71.4 | 68.8 | 64.1 | 55.6 | 48.4 | | | | |
| DATE 05-13-75 | 2000 | 40.2 | 50.5 | 55.5 | 58.3 | 58.9 | 60.6 | 62.2 | 64.9 | 68.2 | 67.5 | 65.2 | 59.7 | 51.0 | 44.4 | | | | |
| RUN 09TFJ0DEL11A | 2500 | 33.9 | 44.9 | 50.5 | 54.3 | 54.6 | 56.2 | 57.8 | 60.4 | 63.3 | 62.0 | 59.9 | 53.3 | 44.2 | 37.6 | | | | |
| TAPE X11210 | 3150 | 24.5 | 38.5 | 44.0 | 48.9 | 49.1 | 50.4 | 52.6 | 54.8 | 56.5 | 56.2 | 52.1 | 45.4 | 34.5 | 29.3 | | | | |
| FAN TIP SPEED | 4000 | 10.9 | 26.4 | 34.3 | 39.9 | 40.3 | 42.7 | 44.7 | 47.0 | 47.5 | 46.9 | 41.9 | 33.1 | 20.8 | 11.0 | | | | |
| FT/SEC | 5000 | 2.9 | 18.9 | 27.8 | 34.4 | 34.7 | 35.2 | 37.6 | 40.6 | 41.0 | 39.3 | 33.9 | 24.2 | 11.6 | 3.5 | | | | |
| | 6300 | | 2.7 | 14.2 | 23.4 | 22.4 | 24.3 | 25.9 | 31.8 | 28.9 | 28.3 | 21.3 | 9.3 | | | | | | |
| | 8000 | | | | 8.9 | 7.7 | 10.1 | 11.9 | 21.4 | 16.0 | 14.3 | 5.3 | | | | | | | |
| | 10000 | | | | | | | | 5.9 | | | | | | | | | | |
| OVERALL CALCULATED | | 69.6 | 73.1 | 76.5 | 78.4 | 79.8 | 81.6 | 82.9 | 84.1 | 86.8 | 88.9 | 88.4 | 87.7 | 82.3 | 80.2 | | | | |
| PND8 | | 71.1 | 76.3 | 80.4 | 82.8 | 84.1 | 85.8 | 87.3 | 89.0 | 91.9 | 93.2 | 91.5 | 89.4 | 82.8 | 78.2 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DFG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INLET AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|-------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 86.4 | 82.7 | 85.6 | 86.4 | 88.4 | 93.0 | 90.3 | 90.8 | 93.1 | 95.8 | 94.8 | 98.8 | 100.7 | 102.1 | | | 154.8 |
| RDG. NO. 0. | 63 | 82.1 | 83.1 | 86.8 | 88.0 | 89.0 | 90.1 | 91.0 | 90.5 | 92.9 | 93.9 | 97.5 | 101.1 | 95.1 | 103.6 | | | 155.1 |
| RADIAL 320. FT. | 80 | 86.8 | 87.5 | 87.5 | 86.5 | 89.5 | 89.8 | 89.6 | 91.9 | 93.7 | 96.0 | 100.5 | 103.8 | 99.9 | 106.8 | | | 157.7 |
| (98. M) | 100 | 89.2 | 92.7 | 91.6 | 92.3 | 92.3 | 92.8 | 95.2 | 97.1 | 98.0 | 102.5 | 105.7 | 108.5 | 104.7 | 106.7 | | | 161.7 |
| VEHICLE JENOTS | 125 | 89.1 | 89.4 | 93.0 | 91.2 | 90.5 | 93.9 | 94.7 | 96.1 | 101.1 | 105.8 | 105.5 | 100.2 | 102.1 | 99.2 | | | 160.3 |
| CONFIG JE-U00 | 160 | 89.0 | 92.4 | 94.1 | 95.8 | 94.2 | 96.4 | 97.7 | 98.4 | 101.9 | 103.9 | 102.8 | 102.0 | 100.7 | 96.2 | | | 159.9 |
| LOC EVENDALE | 200 | 89.0 | 91.2 | 91.9 | 93.5 | 94.3 | 96.5 | 96.8 | 97.2 | 97.8 | 100.2 | 99.8 | 98.2 | 96.6 | 96.2 | | | 157.3 |
| DATE 05-13-75 | 250 | 89.3 | 90.6 | 90.3 | 93.2 | 94.0 | 92.8 | 95.8 | 96.6 | 100.0 | 101.6 | 99.9 | 99.0 | 95.6 | 93.0 | | | 157.5 |
| RUN DBTFMODEL114 | 315 | 89.8 | 90.0 | 93.7 | 93.2 | 93.8 | 95.2 | 95.6 | 98.9 | 99.5 | 102.8 | 100.0 | 96.9 | 96.2 | 93.5 | | | 158.1 |
| TAPE X11230 | 400 | 88.8 | 90.7 | 92.8 | 92.5 | 93.6 | 93.1 | 95.7 | 97.1 | 99.8 | 102.9 | 99.7 | 97.9 | 95.8 | 96.4 | | | 157.9 |
| BAP 29.5 HG | 500 | 86.7 | 89.0 | 91.2 | 91.8 | 92.7 | 94.6 | 95.5 | 97.7 | 99.8 | 102.7 | 99.1 | 95.1 | 93.3 | 92.3 | | | 157.5 |
| (99516. N/M2) | 630 | 88.0 | 89.0 | 90.4 | 91.6 | 92.3 | 94.6 | 95.6 | 98.3 | 101.6 | 102.5 | 100.2 | 96.9 | 95.5 | 94.3 | | | 158.1 |
| TAPE 70. DEG F | 800 | 88.1 | 90.1 | 90.8 | 91.7 | 93.7 | 94.3 | 96.7 | 98.4 | 102.1 | 103.5 | 100.7 | 97.7 | 95.1 | 94.4 | | | 158.9 |
| (294. DEG K) | 1000 | 88.6 | 90.2 | 91.4 | 92.4 | 94.2 | 95.2 | 97.1 | 99.3 | 102.9 | 104.3 | 101.6 | 99.4 | 97.8 | 96.8 | | | 157.9 |
| TWET 57. DEG F | 1250 | 89.2 | 91.9 | 92.4 | 93.7 | 95.1 | 96.3 | 98.3 | 101.0 | 104.3 | 105.3 | 103.6 | 100.9 | 99.6 | 98.5 | | | 161.4 |
| (287. DEG K) | 1600 | 89.3 | 92.3 | 92.9 | 94.6 | 94.5 | 96.3 | 98.3 | 101.2 | 103.6 | 104.7 | 102.9 | 100.8 | 99.8 | 93.4 | | | 161.3 |
| HACT 6.91 GM/H3 | 2000 | 88.1 | 91.9 | 93.9 | 95.5 | 94.2 | 95.4 | 97.5 | 100.3 | 102.8 | 102.9 | 101.1 | 99.4 | 98.4 | 97.5 | | | 160.3 |
| (.00491 KG/H3) | 2500 | 86.2 | 90.8 | 92.7 | 93.5 | 92.5 | 93.2 | 95.1 | 97.4 | 100.0 | 99.8 | 98.7 | 96.7 | 95.2 | 95.8 | | | 158.0 |
| FREQ. SHIFT | 3150 | 82.3 | 88.0 | 90.2 | 91.1 | 89.9 | 90.9 | 92.8 | 94.0 | 97.0 | 97.6 | 95.3 | 93.7 | 92.3 | 95.5 | | | 155.8 |
| JET) | 4000 | 77.8 | 83.1 | 85.6 | 86.8 | 85.1 | 87.7 | 89.5 | 90.9 | 93.1 | 94.3 | 92.0 | 89.8 | 88.1 | 92.5 | | | 152.9 |
| DIAMETER RATIO | 5000 | 74.6 | 79.8 | 82.8 | 84.3 | 82.9 | 83.2 | 85.4 | 87.1 | 90.7 | 91.0 | 88.7 | 85.6 | 84.6 | 92.6 | | | 150.3 |
| DF/DII 8.00 | 6300 | 71.0 | 75.7 | 80.7 | 82.7 | 79.2 | 80.2 | 81.5 | 84.4 | 87.2 | 89.1 | 87.3 | 84.8 | 83.9 | 88.8 | | | 149.1 |
| OVERALL CALCULATED | 8000 | 69.1 | 72.3 | 79.9 | 83.3 | 78.2 | 77.9 | 79.1 | 82.2 | 86.9 | 89.6 | 86.9 | 85.6 | 85.5 | 90.1 | | | 150.9 |
| PWDB | 10000 | 67.9 | 68.5 | 79.5 | 81.8 | 78.0 | 78.9 | 78.9 | 81.4 | 86.8 | 91.0 | 88.6 | 87.9 | 87.1 | 90.1 | | | 154.4 |
| | | | | | | | | | | | | | | | | | | 171.9 |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | | | 0. 0. 0. | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|----------|--|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | |
| SPL INPUT AT STD | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | | |
| REV. ALPHA 12/73 | 50 | 62.6 | 61.1 | 65.5 | 67.5 | 70.2 | 75.2 | 72.7 | 73.0 | 74.8 | 76.9 | 74.7 | 77.2 | 76.9 | 74.8 | | | | | | | |
| NO CGA | 63 | 58.1 | 61.4 | 66.7 | 69.0 | 70.7 | 72.3 | 73.3 | 72.6 | 74.7 | 75.0 | 77.4 | 79.5 | 71.1 | 76.1 | | | | | | | |
| SIDELINE 2400. FT. | 80 | 62.8 | 65.7 | 67.3 | 67.4 | 71.2 | 71.9 | 71.9 | 74.0 | 75.4 | 76.9 | 80.3 | 82.1 | 75.9 | 79.2 | | | | | | | |
| (731.52 M) | 100 | 65.0 | 70.3 | 71.4 | 73.1 | 73.9 | 74.8 | 77.4 | 79.2 | 79.7 | 83.4 | 85.5 | 86.7 | 80.5 | 78.9 | | | | | | | |
| NFA 1. RPM | 125 | 64.7 | 67.4 | 72.7 | 72.0 | 72.1 | 75.9 | 76.8 | 78.1 | 82.7 | 86.7 | 85.1 | 78.2 | 77.6 | 71.2 | | | | | | | |
| (0. RAD/SEC) | 160 | 64.4 | 70.3 | 73.6 | 76.5 | 75.7 | 78.3 | 79.7 | 80.3 | 83.4 | 84.6 | 82.4 | 79.9 | 76.1 | 67.8 | | | | | | | |
| VFK 1. RPM | 200 | 64.2 | 68.9 | 71.3 | 74.0 | 75.6 | 78.2 | 78.7 | 79.0 | 79.2 | 80.8 | 79.2 | 75.9 | 71.8 | 67.5 | | | | | | | |
| (0. RAD/SEC) | 250 | 64.2 | 68.0 | 69.4 | 73.5 | 75.1 | 74.5 | 77.5 | 78.2 | 81.1 | 82.0 | 79.1 | 76.4 | 70.5 | 63.8 | | | | | | | |
| NFO 1. RPM | 315 | 64.2 | 67.2 | 72.7 | 73.3 | 74.8 | 76.6 | 77.1 | 80.3 | 80.5 | 83.0 | 78.9 | 74.0 | 70.6 | 63.6 | | | | | | | |
| (0. RAD/SEC) | 400 | 62.7 | 67.3 | 71.3 | 72.3 | 74.3 | 74.2 | 77.0 | 78.3 | 80.5 | 82.7 | 78.2 | 74.6 | 69.7 | 65.7 | | | | | | | |
| AIRFLOW RATIO | 500 | 59.9 | 65.1 | 69.4 | 71.3 | 73.0 | 75.4 | 76.5 | 78.5 | 80.2 | 82.1 | 77.2 | 71.3 | 66.5 | 60.6 | | | | | | | |
| LF/WH 8.00 | 630 | 60.4 | 64.6 | 68.0 | 70.6 | 72.2 | 73.0 | 76.2 | 78.7 | 81.5 | 81.5 | 77.8 | 72.4 | 67.9 | 61.4 | | | | | | | |
| | 800 | 59.3 | 64.8 | 67.7 | 70.0 | 73.0 | 74.1 | 76.8 | 78.3 | 81.4 | 81.9 | 77.6 | 72.4 | 66.4 | 59.7 | | | | | | | |
| VEHICLE JENOTS | 1000 | 58.5 | 63.8 | 67.5 | 70.1 | 72.8 | 74.5 | 76.6 | 78.6 | 81.6 | 82.0 | 77.6 | 73.0 | 67.7 | 60.1 | | | | | | | |
| CONFIG JE-000 | 1250 | 57.4 | 64.2 | 67.4 | 70.4 | 73.0 | 74.8 | 77.0 | 79.4 | 82.1 | 82.1 | 78.6 | 73.3 | 67.8 | 59.3 | | | | | | | |
| LOC EVENDALE | 1600 | 55.1 | 62.9 | 66.4 | 70.0 | 71.2 | 73.6 | 75.9 | 78.5 | 80.2 | 80.1 | 76.3 | 71.3 | 65.6 | 55.6 | | | | | | | |
| DATE 05-13-75 | 2000 | 51.0 | 60.2 | 65.5 | 69.3 | 69.4 | 71.3 | 73.7 | 76.2 | 78.0 | 76.7 | 72.7 | 67.7 | 61.3 | 50.4 | | | | | | | |
| RUN DDTFMODEL11A | 2500 | 44.9 | 55.9 | 61.7 | 65.0 | 65.6 | 67.2 | 69.3 | 71.4 | 73.1 | 71.3 | 67.7 | 61.8 | 53.9 | 42.4 | | | | | | | |
| TAPE X11230 | 3150 | 34.3 | 48.0 | 55.0 | 58.9 | 59.6 | 61.6 | 63.9 | 64.8 | 66.7 | 65.4 | 60.1 | 53.7 | 44.3 | 32.0 | | | | | | | |
| FAN TIP SPEED | 4000 | 19.7 | 35.4 | 44.1 | 49.1 | 49.8 | 53.7 | 55.9 | 57.0 | 57.8 | 56.6 | 50.4 | 42.1 | 30.0 | 14.0 | | | | | | | |
| FT/SEC | 5000 | 10.6 | 27.6 | 37.6 | 43.4 | 44.7 | 46.4 | 49.1 | 50.3 | 52.5 | 50.1 | 43.4 | 33.4 | 20.6 | 5.2 | | | | | | | |
| | 6300 | | 10.4 | 24.7 | 32.4 | 32.4 | 35.3 | 37.2 | 39.5 | 40.4 | 38.8 | 31.3 | 19.5 | 2.7 | | | | | | | | |
| | 8000 | | | 7.3 | 18.6 | 18.2 | 20.6 | 22.6 | 24.9 | 27.0 | 24.8 | 14.3 | 0.2 | | | | | | | | | |
| | 10000 | | | | | | 4.1 | 5.3 | 6.7 | 8.5 | 6.2 | | | | | | | | | | | |
| OVERALL CALCULATED | | 74.4 | 78.8 | 82.2 | 84.2 | 85.6 | 87.4 | 88.9 | 90.6 | 92.8 | 94.3 | 92.4 | 90.7 | 85.9 | 84.3 | | | | | | | |
| PNDB | | 77.6 | 83.7 | 88.1 | 91.1 | 92.1 | 94.1 | 96.1 | 98.2 | 100.2 | 100.6 | 97.2 | 93.8 | 88.1 | 83.6 | | | | | | | |

ATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN'S) | | | | | | | | | | | | | | | PWL | | |
|--------------------|----------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| | | (0.52) | (0.70) | (0.37) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| SPL INPUT AT STD | | | | | | | | | | | | | | | | | | | |
| REV. ALPHA 12/73 | FRLQ. | 50 | 89.7 | 86.2 | 89.1 | 89.9 | 91.9 | 90.5 | 93.8 | 94.6 | 97.3 | 100.8 | 98.8 | 102.5 | 104.5 | 106.6 | | 158.9 | |
| | | 63 | 86.6 | 88.1 | 90.8 | 92.3 | 93.5 | 94.4 | 95.2 | 95.7 | 97.4 | 99.4 | 101.7 | 104.6 | 106.6 | 108.3 | | 159.5 | |
| N0 FGA | | 80 | 90.8 | 92.0 | 91.5 | 90.7 | 93.2 | 93.5 | 93.9 | 98.4 | 98.4 | 100.7 | 104.2 | 107.3 | 105.4 | 111.1 | | 161.8 | |
| RDG. NO. | 0. | 100 | 93.7 | 95.7 | 95.1 | 95.8 | 95.3 | 97.0 | 98.9 | 101.6 | 103.0 | 108.0 | 109.7 | 112.0 | 111.0 | 113.6 | | 166.4 | |
| RADIAL 320. FT. | | 125 | 93.6 | 93.6 | 97.5 | 95.5 | 95.5 | 93.4 | 99.7 | 101.3 | 106.9 | 112.1 | 109.5 | 105.4 | 108.4 | 107.4 | | 165.9 | |
| (98. M) | | 160 | 94.2 | 96.9 | 99.1 | 100.3 | 99.7 | 101.7 | 103.2 | 104.4 | 108.7 | 110.1 | 108.6 | 108.5 | 108.2 | 105.4 | | 166.1 | |
| VEHICLE | JFNOTS | 200 | 95.0 | 96.5 | 97.2 | 98.7 | 100.1 | 102.0 | 103.3 | 103.2 | 105.3 | 106.5 | 106.1 | 105.0 | 103.4 | 105.2 | | 163.7 | |
| CONFIG | JE-000 | 250 | 95.1 | 95.6 | 95.8 | 98.4 | 99.2 | 93.6 | 101.5 | 102.8 | 107.0 | 107.6 | 106.4 | 106.5 | 104.8 | 102.5 | | 164.0 | |
| LOC | EVENDALE | 315 | 95.5 | 95.3 | 98.2 | 98.5 | 99.8 | 101.4 | 101.8 | 105.2 | 107.5 | 108.8 | 106.5 | 104.4 | 104.9 | 102.0 | | 164.7 | |
| DATE 05-13-75 | | 400 | 94.3 | 96.7 | 98.3 | 98.7 | 99.3 | 99.3 | 102.2 | 104.1 | 107.8 | 108.9 | 106.4 | 104.1 | 104.1 | 102.4 | | 164.5 | |
| RUN DBTF. QDEL11A | | 500 | 92.7 | 95.2 | 97.2 | 97.8 | 98.7 | 101.6 | 102.0 | 104.0 | 107.1 | 108.7 | 105.6 | 101.1 | 100.3 | 99.8 | | 164.0 | |
| TAPE | X11250 | 630 | 94.0 | 95.5 | 96.1 | 97.6 | 98.8 | 98.8 | 102.3 | 104.5 | 107.6 | 108.2 | 106.0 | 102.4 | 101.8 | 100.6 | | 164.1 | |
| BAP 29.5 HG | | 800 | 92.8 | 94.6 | 96.1 | 97.7 | 98.9 | 100.0 | 102.3 | 103.9 | 107.6 | 107.0 | 104.9 | 102.0 | 100.1 | 99.6 | | 163.7 | |
| (99617. N/H2) | | 1000 | 93.4 | 94.9 | 96.7 | 98.2 | 99.4 | 100.5 | 102.9 | 104.1 | 107.2 | 107.6 | 104.6 | 102.4 | 101.0 | 99.5 | | 163.9 | |
| TAMB 70. DEG F | | 1250 | 93.7 | 96.4 | 97.4 | 98.9 | 100.1 | 101.1 | 103.1 | 104.7 | 107.3 | 106.8 | 105.1 | 102.7 | 101.6 | 100.5 | | 164.3 | |
| (24. DEG K) | | 1600 | 93.5 | 95.8 | 97.7 | 99.4 | 99.8 | 101.0 | 102.6 | 104.7 | 106.6 | 106.2 | 104.9 | 101.8 | 101.3 | 98.9 | | 164.0 | |
| TWET 57. DEG F | | 2000 | 91.9 | 94.4 | 97.4 | 99.2 | 98.7 | 99.9 | 101.3 | 103.3 | 105.3 | 104.7 | 102.6 | 100.4 | 99.7 | 97.3 | | 162.8 | |
| (287. DEG K) | | 2500 | 88.7 | 92.3 | 94.2 | 97.8 | 96.3 | 98.0 | 99.4 | 100.6 | 102.0 | 101.5 | 100.4 | 97.9 | 96.5 | 94.5 | | 160.5 | |
| HACT 8.91 GM/H3 | | 3150 | 85.3 | 89.5 | 92.0 | 96.4 | 93.4 | 95.1 | 96.3 | 97.8 | 99.5 | 99.8 | 96.8 | 95.0 | 93.3 | 91.5 | | 158.4 | |
| (.00891 KG/H3) | | 4000 | 81.5 | 85.4 | 88.1 | 93.1 | 89.4 | 91.9 | 92.8 | 94.7 | 96.1 | 96.8 | 94.5 | 91.1 | 89.4 | 87.8 | | 155.9 | |
| FREQ. SHIFT | | 5000 | 79.4 | 82.6 | 86.3 | 92.6 | 85.9 | 87.0 | 88.7 | 91.8 | 93.4 | 93.7 | 90.7 | 87.1 | 85.8 | 86.1 | | 153.3 | |
| JET 9 | | 6300 | 77.8 | 79.0 | 83.7 | 90.0 | 82.7 | 83.0 | 85.5 | 89.7 | 90.9 | 93.6 | 89.1 | 85.3 | 84.7 | 87.0 | | 152.7 | |
| DIAMETER RATIO | | 8000 | 77.8 | 77.0 | 82.4 | 90.3 | 79.9 | 80.2 | 82.4 | 90.0 | 89.4 | 91.8 | 88.6 | 85.6 | 85.8 | 87.2 | | 153.7 | |
| DF/DH 6.00 | | 10000 | 78.4 | 76.2 | 81.5 | 88.0 | 79.3 | 79.6 | 80.2 | 90.6 | 88.8 | 91.8 | 89.1 | 87.6 | 87.4 | 88.6 | | 156.3 | |
| OVERALL CALCULATED | | | 105.9 | 107.5 | 109.2 | 110.7 | 111.0 | 112.4 | 114.0 | 115.7 | 118.7 | 120.1 | 118.5 | 117.9 | 117.3 | 118.5 | | 176.7 | |
| | PHDB | | 115.0 | 117.2 | 119.6 | 122.0 | 121.0 | 122.3 | 123.8 | 125.9 | 128.1 | 128.6 | 126.7 | 124.7 | 123.9 | 123.4 | | | |

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OF POOR QUALITY

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 65.8 | 64.6 | 69.0 | 71.0 | 73.7 | 78.7 | 76.2 | 76.8 | 79.1 | 81.9 | 78.7 | 80.9 | 80.6 | 79.3 | | | |
| SIDELINE 2400. FT. | | 63 | 62.6 | 66.4 | 70.7 | 73.3 | 75.2 | 76.5 | 77.5 | 77.9 | 79.2 | 80.5 | 81.6 | 83.0 | 76.6 | 80.9 | | | |
| (731.52 M) | | 80 | 66.8 | 70.2 | 71.3 | 71.7 | 74.9 | 75.6 | 76.1 | 78.5 | 80.1 | 81.7 | 84.1 | 85.6 | 81.4 | 83.5 | | | |
| NFA | | 100 | 69.5 | 73.8 | 74.9 | 76.6 | 76.9 | 79.1 | 81.1 | 83.7 | 84.7 | 88.9 | 89.5 | 90.2 | 86.8 | 85.7 | | | |
| 1. RPM | | 125 | 69.2 | 71.7 | 77.2 | 76.3 | 77.1 | 80.4 | 81.8 | 83.3 | 88.4 | 92.9 | 89.1 | 83.5 | 84.0 | 79.4 | | | |
| (0. RAD/SEC) | | 160 | 69.7 | 74.8 | 78.6 | 81.0 | 81.2 | 83.6 | 85.2 | 86.3 | 90.1 | 90.8 | 88.1 | 86.4 | 83.6 | 77.1 | | | |
| NFF | | 200 | 70.2 | 74.1 | 76.5 | 79.3 | 81.4 | 83.7 | 85.2 | 85.0 | 86.7 | 87.0 | 85.5 | 82.6 | 78.6 | 76.5 | | | |
| (0. RAD/SEC) | | 250 | 70.0 | 73.0 | 74.9 | 78.8 | 80.4 | 80.2 | 83.3 | 84.4 | 88.1 | 88.0 | 85.6 | 83.9 | 79.7 | 73.5 | | | |
| NFD | | 315 | 70.0 | 72.4 | 77.2 | 78.6 | 80.8 | 82.8 | 83.4 | 86.6 | 88.5 | 89.0 | 85.4 | 81.5 | 79.3 | 72.1 | | | |
| (0. RAD/SEC) | | 400 | 68.2 | 73.3 | 76.8 | 78.5 | 80.0 | 80.5 | 83.5 | 85.3 | 88.5 | 88.7 | 85.0 | 80.8 | 78.0 | 71.7 | | | |
| AIRFLOW RATIO | | 500 | 65.9 | 71.4 | 75.4 | 77.3 | 79.0 | 82.4 | 83.0 | 84.8 | 87.4 | 88.1 | 83.7 | 77.3 | 73.5 | 68.1 | | | |
| WFYWH 3.00 | | 630 | 66.4 | 71.1 | 73.7 | 76.6 | 78.7 | 79.3 | 82.9 | 85.0 | 87.5 | 87.3 | 83.6 | 77.9 | 74.1 | 67.6 | | | |
| | | 800 | 64.0 | 69.3 | 72.9 | 76.0 | 78.3 | 79.9 | 82.3 | 83.8 | 86.9 | 85.4 | 81.8 | 76.7 | 71.4 | 65.0 | | | |
| VEHICLE JENOTS | | 1000 | 63.3 | 68.6 | 72.7 | 75.8 | 78.1 | 79.7 | 82.3 | 83.3 | 85.8 | 85.2 | 80.6 | 76.0 | 70.9 | 62.9 | | | |
| CONFIG JE-000 | | 1250 | 61.9 | 68.7 | 72.4 | 75.7 | 78.0 | 79.5 | 81.7 | 83.2 | 85.1 | 83.6 | 80.1 | 75.0 | 69.8 | 61.3 | | | |
| LOC EVENDALE | | 1600 | 59.3 | 66.4 | 71.1 | 74.8 | 76.4 | 78.3 | 80.1 | 82.0 | 83.2 | 81.6 | 78.3 | 72.3 | 67.1 | 56.4 | | | |
| DATE 05-13-75 | | 2000 | 54.7 | 62.7 | 69.0 | 73.0 | 73.9 | 75.8 | 77.4 | 79.2 | 80.5 | 78.5 | 74.2 | 68.7 | 62.5 | 50.1 | | | |
| RUN DBTFMODEL11A | | 2500 | 47.4 | 57.4 | 63.2 | 69.3 | 69.4 | 72.0 | 73.6 | 74.6 | 75.1 | 73.0 | 69.4 | 63.0 | 55.2 | 41.1 | | | |
| TAPE X11250 | | 3150 | 37.3 | 49.5 | 56.8 | 64.2 | 63.1 | 65.9 | 67.4 | 68.5 | 69.2 | 67.7 | 61.6 | 54.9 | 45.3 | 28.0 | | | |
| FAN TIP SPEED | | 4000 | 23.4 | 37.6 | 46.6 | 55.4 | 54.1 | 57.9 | 59.2 | 60.7 | 60.8 | 59.1 | 52.9 | 43.4 | 31.3 | 9.2 | | | |
| FT/SEC | | 5000 | 15.4 | 30.4 | 41.1 | 51.7 | 47.7 | 50.2 | 52.4 | 55.1 | 55.2 | 52.8 | 45.4 | 34.9 | 21.8 | | | | |
| | | 6300 | | 13.7 | 27.7 | 39.7 | 35.9 | 38.1 | 41.2 | 44.8 | 44.1 | 43.3 | 33.1 | 20.0 | 3.5 | | | | |
| | | 8000 | | | 9.8 | 25.6 | 19.9 | 22.8 | 25.9 | 32.6 | 29.5 | 27.1 | 16.0 | 0.2 | | | | | |
| | | 10000 | | | | 3.2 | 1.0 | 4.9 | 6.6 | 15.9 | 10.5 | 6.9 | | | | | | | |
| OVERALL CALCULATED | | | 79.5 | 83.6 | 87.0 | 89.3 | 90.8 | 92.8 | 94.5 | 96.0 | 98.7 | 99.7 | 97.1 | 95.2 | 92.2 | 90.2 | | | |
| PNDB | | | 83.0 | 88.4 | 92.4 | 95.9 | 97.2 | 99.2 | 101.0 | 102.7 | 104.6 | 104.5 | 101.1 | 97.9 | 94.0 | 90.1 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | PWL |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.14) | |
| NO EGA | 50 | 72.4 | 69.7 | 73.3 | 73.4 | 75.4 | 80.0 | 77.1 | 77.6 | 79.1 | 81.8 | 78.5 | 81.8 | 86.7 | 85.9 | | | 140.2 |
| ROG. NO. 0. | 63 | 68.8 | 70.6 | 74.6 | 74.5 | 77.0 | 78.1 | 78.5 | 77.7 | 79.4 | 79.9 | 81.7 | 85.4 | 83.1 | 89.1 | | | 140.8 |
| RADIAL 320. FT.
(98. H) | 80 | 74.3 | 75.0 | 75.0 | 73.2 | 76.0 | 76.0 | 76.4 | 78.4 | 79.9 | 80.5 | 82.7 | 88.6 | 89.4 | 92.3 | | | 143.3 |
| VEHICLE JENOTS | 100 | 77.5 | 78.4 | 77.6 | 78.3 | 78.8 | 80.0 | 81.9 | 83.6 | 83.8 | 87.0 | 89.5 | 94.5 | 95.0 | 96.5 | | | 148.6 |
| CONFIG JE-000 | 125 | 78.1 | 78.1 | 80.5 | 78.4 | 78.5 | 81.7 | 82.4 | 83.6 | 87.6 | 90.3 | 90.5 | 88.9 | 92.8 | 93.4 | | | 147.1 |
| LOC EVENDALE | 160 | 80.0 | 81.4 | 83.1 | 84.8 | 83.7 | 85.4 | 86.2 | 86.4 | 89.2 | 89.6 | 90.3 | 91.5 | 91.2 | 87.9 | | | 148.0 |
| DATE 05-13-75 | 200 | 79.8 | 79.5 | 80.7 | 83.0 | 83.6 | 84.7 | 85.5 | 85.0 | 84.8 | 85.7 | 87.1 | 87.7 | 84.6 | 85.0 | | | 145.2 |
| RUN DBTFMODEL11A | 250 | 79.1 | 78.1 | 78.5 | 81.4 | 81.5 | 80.1 | 83.3 | 83.3 | 86.0 | 86.4 | 88.9 | 90.7 | 87.3 | 83.5 | | | 145.5 |
| TAPE X11420 | 315 | 79.8 | 79.0 | 81.2 | 80.7 | 82.1 | 83.4 | 83.1 | 84.6 | 84.5 | 86.6 | 87.0 | 88.2 | 86.1 | 82.5 | | | 144.8 |
| BAR 29.5 HG
(99583. N/112) | 400 | 76.8 | 77.9 | 79.0 | 79.4 | 79.8 | 79.3 | 82.4 | 82.6 | 83.8 | 85.6 | 86.4 | 87.6 | 83.8 | 81.4 | | | 143.6 |
| TAMB 66. DEG F | 500 | 74.1 | 75.2 | 77.4 | 78.0 | 79.4 | 82.3 | 81.5 | 81.7 | 83.0 | 84.6 | 84.3 | 82.5 | 78.8 | 76.5 | | | 142.0 |
| (292. DEG K) | 630 | 75.2 | 76.2 | 76.3 | 76.8 | 78.0 | 78.5 | 80.8 | 81.5 | 82.8 | 83.9 | 84.7 | 82.3 | 79.4 | 77.5 | | | 141.5 |
| TWET 57. DEG F | 800 | 73.5 | 75.5 | 76.5 | 77.1 | 78.1 | 78.9 | 79.7 | 80.1 | 81.3 | 82.6 | 83.3 | 80.7 | 76.8 | 75.3 | | | 140.5 |
| (287. DEG K) | 1000 | 72.5 | 74.5 | 75.6 | 76.5 | 77.5 | 78.4 | 79.3 | 79.5 | 80.3 | 82.4 | 82.9 | 81.0 | 77.2 | 75.4 | | | 140.1 |
| HACT 3.91 GM/M3 | 1250 | 72.0 | 74.7 | 74.9 | 76.5 | 77.2 | 77.6 | 78.1 | 78.5 | 80.9 | 81.6 | 82.9 | 81.7 | 76.9 | 75.5 | | | 140.0 |
| (.00491 KG/M3) | 1600 | 70.0 | 72.8 | 73.7 | 73.6 | 75.0 | 75.8 | 76.6 | 76.7 | 79.1 | 81.0 | 81.4 | 80.3 | 76.0 | 73.9 | | | 138.6 |
| FREQ. SHIFT | 2000 | 66.8 | 70.1 | 71.1 | 71.6 | 72.4 | 73.3 | 74.2 | 75.7 | 77.5 | 78.4 | 78.8 | 77.6 | 73.3 | 72.2 | | | 136.6 |
| JET 9 | 2500 | 63.6 | 67.4 | 68.6 | 68.9 | 70.0 | 69.7 | 70.8 | 71.8 | 74.4 | 75.2 | 75.6 | 74.1 | 70.4 | 68.7 | | | 133.6 |
| DIAMETER RATIO | 3150 | 59.7 | 64.6 | 65.1 | 65.7 | 65.7 | 65.5 | 67.6 | 68.2 | 70.2 | 72.0 | 71.4 | 69.8 | 66.9 | 67.9 | | | 130.5 |
| DF/DH 8.00 | 4000 | 55.2 | 59.0 | 61.0 | 60.7 | 60.5 | 62.1 | 63.9 | 64.6 | 66.0 | 68.0 | 67.9 | 66.5 | 63.8 | 68.7 | | | 127.5 |
| OVERALL CALCULATED | 5000 | 54.3 | 56.2 | 60.1 | 58.3 | 57.1 | 56.4 | 58.6 | 60.8 | 63.1 | 65.4 | 64.1 | 61.8 | 61.5 | 69.2 | | | 125.0 |
| PNOB | 6300 | 55.3 | 55.2 | 57.5 | 57.5 | 54.9 | 55.0 | 57.0 | 59.2 | 62.9 | 66.3 | 65.1 | 62.8 | 63.2 | 72.5 | | | 127.1 |
| | 8000 | 56.4 | 56.1 | 61.5 | 60.7 | 56.2 | 56.0 | 57.7 | 61.0 | 65.5 | 68.1 | 66.9 | 64.9 | 65.3 | 74.4 | | | 131.0 |
| | 10000 | 57.3 | 59.6 | 57.4 | 60.4 | 58.2 | 58.3 | 59.1 | 61.3 | 67.5 | 70.7 | 68.3 | 67.0 | 67.5 | 74.2 | | | 134.9 |
| | | 88.6 | 89.2 | 90.5 | 91.3 | 91.8 | 93.1 | 93.9 | 94.4 | 95.1 | 97.6 | 98.5 | 100.1 | 99.9 | 100.1 | | | 156.4 |
| | | 94.5 | 95.6 | 97.0 | 97.4 | 97.9 | 99.0 | 99.8 | 100.6 | 102.5 | 104.0 | 104.5 | 104.9 | 103.3 | 104.0 | | | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN'S) | | | | | | | | | | | | | | | | | |
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| SPL INPUT AT STD | | REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO. EGA | | 50 | 48.6 | 48.1 | 53.3 | 54.5 | 57.2 | 62.2 | 59.4 | 59.8 | 60.8 | 62.9 | 58.5 | 60.2 | 62.9 | 58.6 | | | |
| SIDELINE 2400. FT. | | 63 | 44.9 | 48.9 | 54.5 | 55.5 | 58.7 | 60.3 | 60.8 | 59.9 | 61.2 | 61.0 | 61.6 | 63.7 | 59.1 | 61.6 | | | |
| (731.52 M) | | 100 | 53.3 | 56.6 | 57.4 | 59.1 | 60.4 | 62.1 | 64.1 | 65.7 | 65.4 | 67.9 | 69.2 | 72.7 | 70.8 | 68.7 | | | |
| NFA 1. RPM | | 125 | 53.7 | 56.2 | 60.2 | 59.3 | 60.1 | 63.7 | 64.5 | 65.6 | 69.2 | 71.1 | 70.1 | 66.9 | 68.5 | 62.4 | | | |
| (0. RAD/SEC) | | 160 | 55.4 | 59.3 | 62.6 | 65.5 | 65.2 | 67.3 | 68.2 | 68.3 | 70.6 | 70.3 | 69.9 | 69.3 | 66.6 | 59.6 | | | |
| VFA 1. RPM | | 200 | 55.0 | 57.1 | 60.0 | 63.5 | 64.9 | 66.5 | 67.4 | 66.7 | 66.2 | 66.3 | 66.4 | 65.4 | 59.8 | 56.2 | | | |
| (0. RAD/SEC) | | 250 | 53.9 | 55.5 | 57.7 | 61.8 | 62.6 | 61.7 | 65.0 | 64.9 | 67.1 | 66.7 | 68.1 | 68.2 | 62.2 | 54.3 | | | |
| NFD 1. RPM | | 315 | 54.2 | 56.1 | 60.1 | 60.8 | 63.0 | 64.8 | 64.6 | 66.0 | 65.5 | 66.7 | 65.9 | 65.3 | 60.6 | 52.6 | | | |
| (0. RAD/SEC) | | 400 | 50.7 | 54.6 | 57.6 | 59.3 | 60.5 | 60.5 | 63.7 | 63.7 | 64.4 | 65.4 | 65.0 | 64.3 | 57.7 | 50.7 | | | |
| AIRFLOW RATIO | | 500 | 47.4 | 51.3 | 55.6 | 57.5 | 59.7 | 63.1 | 62.5 | 62.5 | 63.4 | 64.1 | 62.4 | 58.7 | 52.0 | 44.8 | | | |
| WF/WN 0.00 | | 630 | 47.6 | 51.7 | 53.9 | 55.8 | 57.9 | 59.0 | 61.4 | 61.9 | 62.7 | 62.9 | 62.3 | 57.9 | 51.8 | 44.6 | | | |
| | | 800 | 44.7 | 50.2 | 53.4 | 55.4 | 57.4 | 58.8 | 59.7 | 60.0 | 60.6 | 61.0 | 60.2 | 55.3 | 48.0 | 40.7 | | | |
| VEHICLE JENOTS | | 1000 | 42.4 | 48.2 | 51.6 | 54.2 | 56.2 | 57.6 | 58.7 | 58.7 | 58.9 | 60.1 | 59.0 | 54.6 | 47.0 | 38.7 | | | |
| CONFIG JF-000 | | 1250 | 40.2 | 47.0 | 49.9 | 53.2 | 55.0 | 56.1 | 56.8 | 57.0 | 58.7 | 58.4 | 57.9 | 54.1 | 45.1 | 36.3 | | | |
| LOC EVENDALE | | 1600 | 35.8 | 43.3 | 47.1 | 49.0 | 51.6 | 53.1 | 54.1 | 54.0 | 55.7 | 56.4 | 54.8 | 50.8 | 41.8 | 31.1 | | | |
| DATE 05-13-75 | | 2000 | 29.7 | 38.4 | 42.7 | 45.5 | 47.6 | 49.3 | 50.4 | 51.6 | 52.7 | 52.2 | 50.4 | 45.9 | 36.2 | 25.0 | | | |
| RUN DBTFMODEL11A | | 2500 | 22.3 | 32.5 | 37.6 | 40.5 | 43.0 | 43.6 | 45.0 | 45.8 | 47.5 | 46.7 | 44.6 | 39.2 | 29.1 | 15.3 | | | |
| TAPE X11420 | | 3150 | 11.6 | 24.6 | 29.9 | 33.6 | 35.5 | 37.3 | 38.8 | 38.9 | 39.9 | 39.8 | 36.2 | 29.8 | 18.9 | 4.4 | | | |
| FAN TIP SPEED | | 4000 | | 11.3 | 19.5 | 23.0 | 25.2 | 28.1 | 30.3 | 30.6 | 30.7 | 30.3 | 26.3 | 18.8 | 5.6 | | | | |
| FT/SEC | | 5000 | | 4.1 | 14.8 | 17.4 | 18.9 | 19.6 | 22.3 | 24.0 | 24.9 | 24.5 | 18.9 | 9.6 | | | | | |
| | | 6300 | | | 1.4 | 7.2 | 8.1 | 10.1 | 12.7 | 14.3 | 16.1 | 16.0 | 9.1 | | | | | | |
| | | 8000 | | | | | | | 1.2 | 3.7 | 5.5 | 3.4 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 63.3 | 66.2 | 69.3 | 71.4 | 72.6 | 74.4 | 75.4 | 75.7 | 77.0 | 77.8 | 77.5 | 77.7 | 75.4 | 72.1 | | | |
| PNDB | | | 64.5 | 68.3 | 72.2 | 74.0 | 75.9 | 77.6 | 78.6 | 79.2 | 80.1 | 80.6 | 80.1 | 78.8 | 74.0 | 69.0 | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|-------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | |
| | | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | |
| SPL INPUT AT STD | REV. ALPHA 12/73 | 50 | 73.7 | 70.7 | 74.1 | 74.7 | 76.9 | 81.5 | 78.3 | 79.1 | 80.8 | 82.3 | 79.0 | 83.0 | 86.7 | 89.4 | | | | 141.3 |
| | | 63 | 70.3 | 71.6 | 75.8 | 76.0 | 78.0 | 79.6 | 79.7 | 80.2 | 80.9 | 80.7 | 82.7 | 85.9 | 83.6 | 89.8 | | | | 141.8 |
| NO EGA | | 80 | 74.8 | 75.7 | 75.2 | 73.7 | 77.0 | 77.8 | 77.9 | 79.4 | 80.4 | 81.2 | 83.2 | 89.3 | 90.2 | 93.1 | | | | 144.1 |
| RDG. NO. 0. | | 100 | 78.0 | 79.9 | 79.1 | 79.5 | 80.0 | 81.0 | 83.2 | 85.1 | 84.3 | 88.0 | 89.7 | 94.5 | 94.7 | 95.5 | | | | 148.6 |
| RADIAL 320. FT. | | 125 | 78.8 | 78.6 | 81.5 | 79.4 | 79.5 | 82.2 | 83.4 | 84.6 | 88.1 | 91.1 | 90.5 | 89.4 | 92.4 | 89.7 | | | | 147.4 |
| (98. M) | | 160 | 80.5 | 81.9 | 83.6 | 85.3 | 83.7 | 85.7 | 86.4 | 87.4 | 89.7 | 89.9 | 89.6 | 91.2 | 89.9 | 86.7 | | | | 148.0 |
| VEHICLE JENOTS | | 200 | 80.0 | 79.7 | 81.2 | 82.7 | 83.6 | 84.7 | 86.0 | 85.5 | 85.1 | 85.7 | 87.3 | 87.2 | 84.6 | 85.0 | | | | 145.3 |
| CONFIG JE-000 | | 250 | 79.8 | 78.1 | 78.8 | 81.9 | 82.5 | 81.1 | 83.5 | 83.6 | 86.5 | 87.1 | 88.7 | 90.2 | 86.1 | 83.0 | | | | 145.5 |
| LOC EVENDALE | | 315 | 80.5 | 79.0 | 81.5 | 80.7 | 82.3 | 83.7 | 83.6 | 85.6 | 85.0 | 86.8 | 87.7 | 87.2 | 85.1 | 81.7 | | | | 145.0 |
| DATE 05-13-75 | | 400 | 77.3 | 78.9 | 79.7 | 79.9 | 79.8 | 80.1 | 83.1 | 83.1 | 84.3 | 85.8 | 86.6 | 86.8 | 83.3 | 81.3 | | | | 143.8 |
| RUN DBTFMODEL11A | | 500 | 74.9 | 76.1 | 77.9 | 78.5 | 79.6 | 82.0 | 81.7 | 82.2 | 83.0 | 85.6 | 84.8 | 82.3 | 79.3 | 77.5 | | | | 142.4 |
| TAPE X11430 | | 630 | 75.7 | 76.7 | 77.3 | 78.0 | 79.0 | 79.0 | 81.3 | 82.2 | 83.3 | 84.9 | 85.6 | 82.8 | 80.4 | 78.5 | | | | 142.3 |
| BAR 29.5 HG | | 800 | 73.9 | 76.3 | 77.2 | 77.8 | 78.8 | 79.4 | 80.1 | 80.3 | 82.0 | 83.4 | 84.1 | 81.4 | 77.5 | 76.5 | | | | 141.1 |
| (99550. N/M2) | | 1000 | 74.0 | 75.5 | 76.5 | 78.0 | 79.0 | 79.1 | 80.0 | 79.9 | 81.5 | 83.4 | 83.6 | 81.5 | 78.4 | 77.9 | | | | 141.0 |
| TAMB 68. DEG F | | 1250 | 72.9 | 76.1 | 77.4 | 78.2 | 78.6 | 78.3 | 78.8 | 79.5 | 81.6 | 83.3 | 83.8 | 82.2 | 78.6 | 77.4 | | | | 141.1 |
| (293. DEG K) | | 1600 | 71.4 | 75.7 | 76.6 | 76.8 | 76.7 | 76.9 | 77.5 | 77.8 | 80.0 | 83.1 | 83.0 | 80.5 | 77.7 | 76.6 | | | | 140.2 |
| TWET 59. DEG F | | 2000 | 68.2 | 73.0 | 75.0 | 75.5 | 74.6 | 74.7 | 75.3 | 76.8 | 78.4 | 80.3 | 79.9 | 78.5 | 75.7 | 73.8 | | | | 138.2 |
| (288. DEG K) | | 2500 | 65.5 | 70.1 | 72.0 | 72.8 | 71.8 | 71.5 | 71.9 | 72.7 | 75.8 | 77.3 | 77.2 | 75.5 | 72.3 | 72.1 | | | | 135.5 |
| HACT 8.91 GM/M3 | | 3150 | 61.8 | 67.8 | 69.0 | 70.1 | 69.4 | 66.6 | 68.5 | 70.0 | 72.3 | 74.1 | 73.6 | 72.0 | 69.6 | 70.5 | | | | 132.8 |
| (.00391 KG/M3) | | 4000 | 57.6 | 63.1 | 64.4 | 65.6 | 64.4 | 65.0 | 65.1 | 66.5 | 67.4 | 70.4 | 69.3 | 67.9 | 66.4 | 69.3 | | | | 129.6 |
| FREQ. SHIFT | | 5000 | 56.0 | 59.9 | 60.9 | 62.5 | 61.3 | 60.3 | 60.5 | 62.4 | 63.8 | 68.3 | 65.3 | 62.9 | 62.4 | 71.6 | | | | 127.2 |
| JET 9 | | 6300 | 55.2 | 56.7 | 57.6 | 60.2 | 57.6 | 57.2 | 57.4 | 64.6 | 59.1 | 67.3 | 65.5 | 63.0 | 63.8 | 74.2 | | | | 128.3 |
| DIAMETER RATIO | | 8000 | 56.6 | 56.3 | 56.7 | 60.1 | 57.2 | 56.7 | 57.2 | 63.5 | 57.2 | 69.1 | 66.9 | 64.4 | 64.6 | 76.6 | | | | 131.6 |
| D/DH 6.00 | | 10000 | 57.8 | 57.4 | 56.5 | 60.0 | 57.5 | 58.6 | 59.1 | 64.1 | 57.5 | 70.7 | 68.0 | 66.8 | 66.8 | 78.7 | | | | 136.0 |
| OVERALL CALCULATED | | | 89.3 | 90.0 | 91.3 | 92.1 | 92.5 | 93.6 | 94.5 | 95.3 | 96.7 | 98.3 | 98.8 | 100.0 | 99.6 | 100.0 | | | | 156.7 |
| PND8 | | | 95.4 | 97.5 | 98.8 | 99.5 | 99.4 | 99.9 | 100.6 | 101.8 | 103.0 | 105.5 | 105.5 | 105.0 | 103.5 | 104.4 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| SPL INPUT AT STD | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 3. | 0. |
|--------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| REV. ALPHA 12/73 | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 49.8 | 49.1 | 54.0 | 55.7 | 58.7 | 63.7 | 60.7 | 61.3 | 62.6 | 63.4 | 59.0 | 61.4 | 62.9 | 61.1 | | |
| SIDELINE 2400. FT. | 80 | 50.8 | 54.0 | 55.1 | 54.7 | 58.7 | 59.9 | 60.1 | 61.5 | 62.1 | 62.2 | 63.1 | 67.6 | 66.1 | 65.5 | | |
| (731.52 M) | 100 | 53.8 | 58.1 | 58.9 | 60.4 | 61.6 | 63.1 | 65.4 | 67.2 | 65.9 | 68.9 | 69.5 | 72.7 | 70.5 | 67.7 | | |
| NFA 1. RPM | 125 | 54.5 | 56.7 | 61.2 | 60.3 | 61.1 | 64.2 | 65.5 | 66.6 | 69.7 | 71.9 | 70.1 | 67.4 | 68.0 | 61.6 | | |
| (0. RAD/SEC) | 160 | 55.9 | 59.8 | 63.1 | 66.0 | 65.2 | 67.6 | 68.4 | 69.3 | 71.1 | 70.6 | 69.1 | 69.1 | 65.4 | 58.3 | | |
| NFA 1. RPM | 200 | 55.2 | 57.4 | 60.5 | 63.3 | 64.9 | 66.5 | 67.9 | 67.2 | 66.4 | 66.3 | 66.7 | 64.9 | 59.8 | 56.2 | | |
| (0. RAD/SEC) | 250 | 54.7 | 55.5 | 57.9 | 62.3 | 63.6 | 62.7 | 65.3 | 65.2 | 67.6 | 67.5 | 67.8 | 67.7 | 61.0 | 53.8 | | |
| VFD 1. RPM | 315 | 55.0 | 56.1 | 60.4 | 60.8 | 63.3 | 65.1 | 65.1 | 67.0 | 66.0 | 66.9 | 66.6 | 64.3 | 59.6 | 51.9 | | |
| (0. RAD/SEC) | 400 | 51.2 | 55.6 | 58.3 | 59.8 | 60.5 | 61.2 | 64.4 | 64.2 | 64.9 | 65.7 | 65.2 | 63.5 | 57.2 | 50.7 | | |
| AIRFLOW RATIO | 500 | 48.1 | 52.3 | 56.1 | 58.0 | 59.9 | 62.9 | 62.7 | 63.0 | 63.3 | 65.1 | 62.9 | 58.4 | 52.5 | 45.8 | | |
| WF/WM 8.00 | 630 | 48.1 | 52.2 | 54.9 | 57.0 | 58.9 | 59.4 | 61.9 | 62.6 | 63.2 | 63.9 | 63.3 | 58.3 | 52.8 | 45.6 | | |
| | 800 | 45.2 | 50.9 | 54.1 | 56.2 | 58.2 | 59.3 | 60.2 | 60.2 | 61.3 | 61.7 | 60.9 | 56.0 | 48.8 | 41.9 | | |
| VEHICLE JENOTS | 1000 | 43.8 | 49.1 | 52.6 | 55.6 | 57.7 | 58.3 | 59.4 | 59.2 | 60.2 | 61.0 | 59.7 | 55.1 | 48.3 | 41.2 | | |
| CONFIG JE-000 | 1250 | 41.1 | 48.5 | 52.4 | 54.9 | 56.5 | 56.7 | 57.5 | 57.9 | 59.4 | 60.0 | 58.8 | 54.5 | 46.8 | 38.2 | | |
| LOC EVENDALE | 1600 | 37.2 | 46.2 | 50.1 | 52.2 | 53.3 | 54.2 | 55.0 | 55.1 | 56.6 | 58.5 | 56.5 | 51.0 | 43.5 | 33.8 | | |
| DATE 05-13-75 | 2000 | 31.1 | 41.3 | 46.6 | 49.4 | 49.7 | 50.7 | 51.5 | 52.8 | 53.6 | 54.1 | 51.6 | 46.8 | 38.6 | 26.7 | | |
| RUN DBTFMODEL11A | 2500 | 24.2 | 35.2 | 41.0 | 44.3 | 44.9 | 45.5 | 46.1 | 46.6 | 48.9 | 48.8 | 46.2 | 40.6 | 30.9 | 18.6 | | |
| TAPE X11430 | 3150 | 13.8 | 27.7 | 33.8 | 38.0 | 39.1 | 39.4 | 39.6 | 40.8 | 42.0 | 41.9 | 38.3 | 31.9 | 21.5 | 7.0 | | |
| FAN TIP SPEED | 4000 | | 15.4 | 22.9 | 27.9 | 29.1 | 31.0 | 31.5 | 32.5 | 32.1 | 32.7 | 27.7 | 20.1 | 8.3 | | | |
| FT/SEC | 5000 | | 7.7 | 15.7 | 21.6 | 23.0 | 23.6 | 24.2 | 25.7 | 25.6 | 27.4 | 20.1 | 10.8 | | | | |
| | 6300 | | | 1.6 | 9.9 | 10.8 | 12.3 | 13.1 | 19.7 | 12.3 | 17.0 | 9.5 | | | | | |
| | 8000 | | | | | | | 0.6 | 6.1 | | 4.4 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 63.9 | 66.8 | 70.0 | 72.0 | 73.2 | 74.9 | 76.0 | 76.6 | 77.6 | 78.4 | 77.7 | 77.7 | 75.1 | 71.9 | | |
| PNDB | | 65.4 | 69.5 | 73.2 | 75.2 | 76.8 | 78.3 | 79.4 | 80.1 | 80.8 | 81.4 | 80.4 | 78.7 | 73.9 | 68.7 | | |

DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | PWL | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|-------|--|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | |
| | | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| SPL INPUT AT STD | | | | | | | | | | | | | | | | | | | | |
| REV. ALPHA 12/73 | | 50 | 78.2 | 75.0 | 77.3 | 78.2 | 79.9 | 84.2 | 81.8 | 82.8 | 85.6 | 88.8 | 86.3 | 90.3 | 94.0 | 81.6 | | | 146.3 | |
| NO EGA | | 63 | 73.3 | 74.3 | 77.8 | 78.5 | 80.2 | 81.6 | 81.7 | 81.2 | 83.9 | 84.2 | 86.7 | 91.1 | 89.1 | 83.8 | | | 144.6 | |
| RDG. NO. 0. | | 80 | 78.8 | 79.0 | 78.7 | 75.5 | 78.7 | 80.0 | 80.1 | 81.4 | 83.4 | 85.2 | 90.0 | 96.6 | 95.7 | 88.1 | | | 148.5 | |
| RADIAL 320. FT. | | 100 | 80.0 | 80.9 | 80.4 | 80.3 | 81.3 | 82.5 | 85.2 | 87.6 | 87.8 | 92.0 | 96.2 | 101.8 | 100.5 | 92.7 | | | 153.7 | |
| (98. M) | | 125 | 80.1 | 79.6 | 82.5 | 80.4 | 80.8 | 84.2 | 85.7 | 86.6 | 91.6 | 95.8 | 97.0 | 94.9 | 98.1 | 86.2 | | | 152.0 | |
| VEHICLE JENOTS | | 160 | 81.0 | 82.7 | 84.6 | 86.3 | 85.5 | 86.9 | 88.7 | 89.9 | 93.4 | 94.6 | 95.8 | 97.0 | 95.9 | 82.7 | | | 152.2 | |
| CONFIG JE-000 | | 200 | 81.0 | 81.7 | 81.9 | 84.5 | 85.6 | 87.0 | 88.5 | 88.0 | 88.8 | 91.0 | 92.8 | 92.7 | 89.4 | 79.5 | | | 149.0 | |
| LOC EVENDALE | | 250 | 80.8 | 79.6 | 80.5 | 83.4 | 83.5 | 83.3 | 86.3 | 87.1 | 90.5 | 92.1 | 93.9 | 95.7 | 91.1 | 77.3 | | | 149.8 | |
| DATE 05-13-75 | | 315 | 81.3 | 79.8 | 83.0 | 81.9 | 83.6 | 85.2 | 86.1 | 88.4 | 89.0 | 92.1 | 92.5 | 91.9 | 88.9 | 76.0 | | | 148.6 | |
| RUN DBTFMODEL11A | | 400 | 78.0 | 79.4 | 80.5 | 80.9 | 81.8 | 82.1 | 85.1 | 86.6 | 88.0 | 90.8 | 91.1 | 91.1 | 87.0 | 75.3 | | | 147.3 | |
| TAPE X11460 | | 500 | 75.6 | 76.4 | 79.2 | 80.0 | 81.3 | 84.0 | 84.2 | 84.9 | 86.8 | 89.9 | 88.3 | 85.0 | 81.5 | 69.7 | | | 145.4 | |
| BAR 29.5 HG | | 630 | 77.2 | 76.9 | 78.0 | 78.8 | 80.2 | 80.5 | 83.0 | 84.2 | 86.5 | 88.7 | 88.1 | 84.1 | 80.4 | 69.0 | | | 144.6 | |
| (99583. N/M2) | | 800 | 75.2 | 76.3 | 76.7 | 78.5 | 80.3 | 80.6 | 82.4 | 82.6 | 85.2 | 86.6 | 85.6 | 82.1 | 77.3 | 66.8 | | | 143.1 | |
| TAMS 68. DEG F | | 1000 | 74.5 | 75.3 | 76.5 | 78.2 | 79.5 | 80.1 | 81.5 | 81.2 | 83.5 | 85.1 | 84.4 | 81.2 | 76.6 | 65.1 | | | 142.0 | |
| (293. DEG K) | | 1250 | 73.9 | 76.1 | 76.6 | 78.2 | 78.4 | 79.5 | 80.1 | 80.5 | 82.3 | 83.8 | 83.0 | 80.4 | 76.6 | 65.7 | | | 141.2 | |
| TWFT 59. DEG F | | 1600 | 71.2 | 74.2 | 74.6 | 76.0 | 76.7 | 77.7 | 78.7 | 79.3 | 81.3 | 82.6 | 81.5 | 78.7 | 75.7 | 64.3 | | | 139.9 | |
| (238. DEG K) | | 2000 | 68.2 | 70.7 | 72.7 | 73.5 | 74.3 | 75.2 | 76.1 | 77.6 | 79.6 | 79.8 | 79.2 | 77.0 | 72.7 | 61.8 | | | 137.8 | |
| HACT 8.91 GN/M3 | | 2500 | 65.0 | 68.3 | 70.3 | 70.6 | 70.8 | 71.3 | 72.6 | 73.9 | 76.8 | 76.3 | 76.2 | 74.0 | 70.5 | 60.1 | | | 134.9 | |
| (.00891 KG/M3) | | 3150 | 60.8 | 65.8 | 66.5 | 67.6 | 67.9 | 68.1 | 69.0 | 70.8 | 72.5 | 73.1 | 72.3 | 70.5 | 67.6 | 60.9 | | | 131.9 | |
| FREQ. SHIFT | | 4000 | 55.8 | 60.9 | 61.4 | 63.4 | 63.2 | 64.2 | 65.1 | 67.2 | 67.9 | 69.1 | 68.8 | 66.4 | 64.4 | 60.6 | | | 128.0 | |
| JET 9 | | 5000 | 54.2 | 57.4 | 58.4 | 61.0 | 59.5 | 58.8 | 60.5 | 65.2 | 64.5 | 65.8 | 65.3 | 62.9 | 61.6 | 62.9 | | | 125.8 | |
| DIAMETER RATIO | | 6300 | 54.5 | 55.7 | 55.9 | 59.2 | 57.4 | 56.9 | 57.2 | 66.6 | 63.4 | 66.5 | 65.3 | 63.5 | 63.6 | 64.9 | | | 127.1 | |
| DF/DN 8.00 | | 8000 | 56.6 | 56.0 | 56.2 | 61.1 | 56.7 | 57.4 | 56.9 | 69.5 | 64.7 | 68.9 | 67.2 | 65.6 | 65.6 | 68.9 | | | 131.2 | |
| | | 10000 | 57.8 | 57.7 | 57.2 | 61.0 | 58.0 | 59.1 | 59.4 | 71.1 | 66.5 | 71.2 | 69.5 | 67.8 | 68.3 | 70.0 | | | 135.7 | |
| OVERALL CALCULATED | | 90.5 | 90.9 | 92.3 | 93.1 | 93.9 | 95.4 | 96.7 | 97.8 | 100.1 | 102.7 | 103.9 | 106.0 | 105.1 | 95.8 | | | | 160.6 | |
| PND8 | | 96.2 | 97.0 | 98.4 | 99.3 | 99.9 | 101.1 | 102.4 | 104.1 | 105.7 | 107.9 | 108.3 | 108.9 | 107.0 | 98.4 | | | | | |

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OF POOR QUALITY

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN(S)) | | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 54.3 | 53.4 | 57.3 | 59.2 | 61.7 | 66.4 | 64.2 | 65.0 | 67.3 | 69.9 | 66.2 | 68.7 | 70.1 | 54.3 | | | |
| SIDELINE 240J. FT. | | 63 | 49.4 | 52.7 | 57.7 | 59.5 | 62.0 | 63.8 | 64.0 | 63.4 | 65.7 | 65.2 | 66.6 | 69.5 | 65.1 | 56.4 | | | |
| (731.52 M) | | 80 | 54.8 | 57.2 | 58.6 | 56.4 | 60.4 | 62.1 | 62.4 | 63.5 | 65.1 | 66.2 | 69.8 | 74.8 | 71.6 | 60.5 | | | |
| NFA 1. RPM | | 100 | 55.8 | 59.1 | 60.2 | 61.1 | 62.9 | 64.6 | 67.4 | 69.7 | 69.4 | 72.9 | 76.0 | 79.9 | 76.3 | 64.9 | | | |
| (0. RAD/SEC) | | 125 | 55.7 | 57.7 | 62.2 | 61.3 | 62.3 | 66.2 | 67.8 | 68.6 | 73.2 | 76.7 | 76.6 | 72.9 | 73.8 | 58.1 | | | |
| NFK 1. RPM | | 160 | 56.4 | 60.6 | 64.1 | 67.0 | 66.9 | 68.8 | 70.7 | 71.8 | 74.9 | 75.3 | 75.4 | 74.9 | 71.4 | 54.3 | | | |
| (0. RAD/SEC) | | 200 | 56.2 | 59.4 | 61.3 | 65.0 | 66.9 | 68.7 | 70.4 | 69.7 | 70.2 | 71.5 | 72.2 | 70.4 | 64.6 | 50.7 | | | |
| VFD 1. RPM | | 250 | 55.7 | 57.0 | 59.7 | 63.8 | 64.6 | 65.0 | 68.0 | 68.7 | 71.6 | 72.5 | 73.1 | 73.2 | 66.0 | 48.0 | | | |
| (0. RAD/SEC) | | 315 | 55.7 | 56.9 | 61.9 | 62.1 | 64.5 | 66.6 | 67.6 | 69.8 | 70.0 | 72.2 | 71.4 | 69.0 | 63.3 | 46.1 | | | |
| AIRFLOW RATIO | | 400 | 51.9 | 56.1 | 59.0 | 60.8 | 62.5 | 63.2 | 66.4 | 67.7 | 68.7 | 70.7 | 69.7 | 67.8 | 60.9 | 44.7 | | | |
| WF/WB 2.00 | | 500 | 48.9 | 52.6 | 57.3 | 59.5 | 61.7 | 64.9 | 65.2 | 65.7 | 67.1 | 69.3 | 66.4 | 61.2 | 54.7 | 38.0 | | | |
| | | 630 | 49.6 | 52.5 | 55.7 | 57.8 | 60.1 | 60.9 | 63.6 | 64.6 | 66.4 | 67.7 | 65.8 | 59.6 | 52.8 | 36.1 | | | |
| | | 800 | 46.4 | 50.9 | 53.6 | 56.9 | 59.7 | 60.5 | 62.4 | 62.5 | 64.6 | 65.0 | 62.4 | 56.8 | 48.5 | 32.1 | | | |
| VEHICLE JENOTS | | 1000 | 44.3 | 48.9 | 52.6 | 55.9 | 58.2 | 59.3 | 60.9 | 60.4 | 62.2 | 62.8 | 60.4 | 54.8 | 46.5 | 29.5 | | | |
| CONFIG JE-000 | | 1250 | 42.1 | 48.5 | 51.6 | 54.9 | 56.2 | 58.0 | 58.7 | 58.9 | 60.1 | 60.5 | 58.0 | 52.8 | 44.8 | 26.5 | | | |
| LOC EVENDALE | | 1600 | 37.0 | 44.7 | 48.1 | 51.4 | 53.3 | 55.0 | 56.3 | 56.6 | 57.9 | 58.0 | 55.0 | 49.2 | 41.5 | 21.5 | | | |
| DATE 05-13-75 | | 2000 | 31.1 | 39.0 | 44.4 | 47.4 | 49.5 | 51.2 | 52.3 | 53.5 | 54.8 | 53.6 | 50.8 | 45.3 | 35.6 | 14.7 | | | |
| RUN 03TFMODEL11A | | 2500 | 23.7 | 33.4 | 39.3 | 42.1 | 43.9 | 45.2 | 46.9 | 47.9 | 47.9 | 47.8 | 45.2 | 39.1 | 29.2 | 6.6 | | | |
| TAPE X1146D | | 3150 | 12.8 | 25.7 | 31.3 | 35.5 | 37.6 | 38.9 | 40.1 | 41.6 | 42.3 | 40.9 | 37.1 | 30.4 | 19.5 | | | | |
| FAN TIP SPEED | | 4000 | | 13.2 | 19.9 | 25.7 | 27.9 | 30.2 | 31.5 | 33.3 | 32.6 | 31.4 | 27.2 | 18.6 | 6.3 | | | | |
| FT/SEC | | 5000 | | 5.2 | 13.2 | 20.1 | 21.3 | 22.1 | 24.2 | 28.4 | 26.3 | 24.9 | 20.1 | 10.8 | | | | | |
| | | 6300 | | | | 8.9 | 10.6 | 12.0 | 12.9 | 21.7 | 16.6 | 16.2 | 9.3 | | | | | | |
| | | 8000 | | | | | | 0.1 | 0.4 | 12.1 | 4.7 | 4.1 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 65.4 | 68.1 | 71.2 | 73.2 | 74.8 | 76.8 | 78.3 | 79.2 | 81.2 | 83.0 | 83.2 | 83.9 | 80.8 | 67.9 | | | |
| PNDB | | | 66.4 | 69.9 | 73.9 | 75.9 | 77.9 | 79.8 | 81.6 | 82.6 | 84.2 | 85.3 | 84.8 | 84.2 | 79.1 | 63.1 | | | |

| SPL INPUT AT STD
REV. ALPHA 12/73 | FREQ. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | (0.52) | (0.70) | (0.97) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 78.2 | 75.7 | 77.8 | 78.7 | 80.9 | 85.2 | 82.3 | 83.1 | 85.6 | 88.6 | 86.0 | 89.0 | 92.0 | 89.6 | | | | 146.0 |
| RDG. NO. 0. | 63 | 73.1 | 74.8 | 78.3 | 79.5 | 81.0 | 83.4 | 83.5 | 82.2 | 85.7 | 84.2 | 86.5 | 90.9 | 87.6 | 95.6 | | | | 146.2 |
| RADIAL 320. FT. | 80 | 76.6 | 78.0 | 77.7 | 74.7 | 78.0 | 78.8 | 79.4 | 81.1 | 83.4 | 85.2 | 90.5 | 95.8 | 94.4 | 95.1 | | | | 148.4 |
| (98. M) | 100 | 78.7 | 79.7 | 79.1 | 79.5 | 80.3 | 81.8 | 84.7 | 86.6 | 88.3 | 92.8 | 96.2 | 101.0 | 98.7 | 99.7 | | | | 153.5 |
| VEHICLE JENOTS | 125 | 79.3 | 79.1 | 82.0 | 79.4 | 80.8 | 83.4 | 85.9 | 87.1 | 91.9 | 96.6 | 96.2 | 93.2 | 96.3 | 94.4 | | | | 151.8 |
| CONFIG JE-000 | 160 | 80.5 | 82.7 | 84.4 | 86.0 | 85.2 | 87.2 | 88.4 | 89.7 | 93.2 | 94.4 | 94.8 | 95.0 | 92.2 | 90.4 | | | | 151.3 |
| LOC EVENDALE | 200 | 80.8 | 81.7 | 82.4 | 84.2 | 85.6 | 86.5 | 88.3 | 88.0 | 88.6 | 90.5 | 91.6 | 89.0 | 85.9 | 88.3 | | | | 148.1 |
| DATE 05-13-75 | 250 | 79.8 | 78.8 | 79.8 | 81.9 | 83.5 | 82.3 | 85.5 | 86.6 | 89.7 | 92.1 | 93.7 | 93.0 | 88.3 | 85.8 | | | | 148.8 |
| RUN DBTFMODEL11A | 315 | 80.5 | 79.3 | 82.2 | 81.4 | 83.1 | 84.4 | 85.3 | 87.9 | 88.8 | 92.3 | 90.7 | 89.4 | 86.4 | 84.2 | | | | 147.8 |
| TAPE X11490 | 400 | 77.5 | 78.6 | 79.7 | 80.2 | 81.1 | 80.3 | 84.4 | 85.9 | 88.0 | 90.6 | 89.6 | 88.8 | 84.3 | 82.9 | | | | 146.4 |
| BAR 29.5 HG | 500 | 74.6 | 75.7 | 77.7 | 78.5 | 79.9 | 82.5 | 83.0 | 84.2 | 86.8 | 89.4 | 86.8 | 83.3 | 78.3 | 77.7 | | | | 144.5 |
| (99583. N/M2) | 630 | 75.7 | 76.0 | 76.3 | 77.3 | 79.0 | 79.0 | 81.8 | 84.0 | 86.0 | 88.2 | 86.7 | 82.3 | 77.7 | 77.0 | | | | 143.7 |
| TAMB 66. DEG F | 800 | 73.7 | 75.0 | 75.0 | 76.3 | 78.3 | 79.4 | 80.9 | 81.8 | 84.8 | 85.9 | 84.6 | 79.9 | 74.8 | 73.8 | | | | 142.0 |
| (292. DEG K) | 1000 | 73.0 | 73.5 | 74.3 | 75.8 | 77.8 | 78.6 | 80.0 | 80.0 | 83.3 | 84.2 | 82.9 | 78.7 | 74.2 | 73.2 | | | | 140.8 |
| TWLT 57. DEG F | 1250 | 72.0 | 73.7 | 73.9 | 76.0 | 76.9 | 77.6 | 79.1 | 79.3 | 81.9 | 83.6 | 81.4 | 79.0 | 73.7 | 73.0 | | | | 140.0 |
| (287. DEG K) | 1600 | 69.3 | 71.8 | 72.9 | 73.6 | 74.8 | 75.8 | 77.3 | 78.2 | 81.1 | 81.7 | 80.4 | 77.1 | 72.5 | 70.7 | | | | 138.7 |
| HACT 3.01 GM/M3 | 2000 | 66.3 | 68.8 | 70.3 | 70.9 | 72.2 | 73.3 | 74.4 | 76.4 | 79.2 | 79.9 | 78.0 | 74.8 | 69.8 | 68.4 | | | | 136.8 |
| (.00891 KG/M3) | 2500 | 62.6 | 65.7 | 66.9 | 68.4 | 69.5 | 69.4 | 71.3 | 73.1 | 75.9 | 76.2 | 75.3 | 71.8 | 67.4 | 65.4 | | | | 133.8 |
| FREQ. SHIFT | 3150 | 58.4 | 62.9 | 63.6 | 66.0 | 65.2 | 66.0 | 67.4 | 69.9 | 71.9 | 72.7 | 70.9 | 68.6 | 64.4 | 67.6 | | | | 130.7 |
| JET 9 | 4000 | 53.7 | 57.7 | 58.5 | 60.7 | 60.0 | 62.1 | 63.4 | 66.4 | 67.0 | 69.2 | 67.9 | 65.0 | 62.3 | 62.2 | | | | 127.5 |
| DIAMETER RATIO | 5000 | 52.5 | 55.0 | 56.1 | 58.5 | 57.4 | 56.4 | 58.6 | 65.1 | 64.1 | 65.7 | 64.1 | 61.8 | 61.0 | 67.0 | | | | 125.3 |
| DF/DM 8.00 | 6300 | 54.0 | 54.7 | 53.5 | 59.0 | 55.7 | 55.7 | 56.0 | 66.2 | 62.7 | 66.3 | 64.8 | 62.8 | 63.2 | 65.0 | | | | 126.6 |
| OVERALL CALCULATED | 8000 | 56.1 | 55.8 | 54.7 | 61.2 | 57.0 | 56.5 | 57.2 | 68.8 | 64.7 | 68.9 | 67.2 | 64.9 | 65.6 | 68.2 | | | | 130.9 |
| PND8 | 10000 | 57.8 | 57.1 | 55.2 | 61.4 | 58.4 | 59.0 | 58.9 | 70.8 | 66.7 | 71.5 | 69.3 | 67.3 | 68.8 | 71.5 | | | | 135.8 |
| | | 89.7 | 90.2 | 91.6 | 92.4 | 93.4 | 94.9 | 96.3 | 97.4 | 100.0 | 102.7 | 103.2 | 104.6 | 103.1 | 103.5 | | | | 160.1 |
| | | 95.1 | 95.8 | 97.1 | 98.1 | 99.1 | 100.1 | 101.7 | 103.6 | 105.5 | 107.8 | 107.6 | 107.4 | 104.9 | 105.3 | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
|--------------------|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
| | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. |
| SPL INPUT AT STD | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) |
| REV. ALPHA 12/73 | | | | | | | | | | | | | | | | | |
| | 50 | 54.3 | 54.1 | 57.8 | 59.7 | 62.7 | 67.4 | 64.7 | 65.3 | 67.3 | 69.6 | 66.0 | 67.4 | 68.1 | 62.3 | | |
| NO EGA | 63 | 49.1 | 53.2 | 58.2 | 60.5 | 62.7 | 65.5 | 65.8 | 64.4 | 67.4 | 65.2 | 66.4 | 69.2 | 63.6 | 68.1 | | |
| SIDELINE 2400. FT. | 80 | 52.5 | 56.2 | 57.6 | 55.7 | 59.7 | 60.9 | 61.6 | 63.2 | 65.1 | 66.2 | 70.3 | 74.1 | 70.4 | 67.5 | | |
| (731.52 M) | 100 | 54.5 | 57.8 | 58.9 | 60.4 | 61.9 | 63.8 | 66.9 | 68.7 | 69.9 | 73.6 | 76.0 | 79.2 | 74.5 | 71.9 | | |
| NFA 1. RPI | 125 | 55.0 | 57.2 | 61.7 | 60.3 | 62.3 | 65.4 | 68.0 | 69.1 | 73.4 | 77.4 | 75.9 | 71.2 | 72.0 | 65.4 | | |
| (0. RAD/SEC) | 160 | 55.9 | 60.6 | 63.9 | 66.7 | 66.7 | 69.1 | 70.4 | 71.6 | 74.6 | 75.1 | 74.4 | 72.9 | 67.6 | 62.1 | | |
| NFK 1. RPM | 200 | 56.0 | 59.4 | 61.8 | 64.8 | 66.9 | 68.2 | 70.2 | 69.7 | 69.9 | 71.0 | 70.9 | 66.6 | 61.1 | 59.2 | | |
| (0. RAD/SEC) | 250 | 54.7 | 56.2 | 58.9 | 62.3 | 64.6 | 64.0 | 67.3 | 68.2 | 70.9 | 72.5 | 72.8 | 70.4 | 63.2 | 56.5 | | |
| NFP 1. RPM | 315 | 55.0 | 56.4 | 61.1 | 61.6 | 64.0 | 65.8 | 66.9 | 69.3 | 69.7 | 72.4 | 69.6 | 66.5 | 60.8 | 54.4 | | |
| (0. RAD/SEC) | 400 | 51.4 | 55.3 | 58.3 | 60.0 | 61.7 | 61.5 | 65.7 | 67.0 | 68.7 | 70.4 | 68.2 | 65.5 | 58.2 | 52.2 | | |
| AIRFLOW RATIO | 500 | 47.9 | 51.8 | 55.8 | 58.0 | 60.2 | 63.4 | 64.0 | 65.0 | 67.1 | 68.8 | 64.9 | 59.5 | 51.5 | 46.1 | | |
| WF/WM 8.00 | 630 | 48.1 | 51.5 | 53.9 | 56.3 | 58.9 | 59.5 | 62.4 | 64.4 | 65.9 | 67.2 | 64.3 | 57.9 | 50.1 | 44.1 | | |
| | 800 | 44.9 | 49.7 | 51.9 | 54.7 | 57.7 | 59.3 | 61.0 | 61.7 | 64.1 | 64.3 | 61.5 | 54.6 | 46.0 | 39.2 | | |
| VEHICLE JENOTS | 1000 | 42.9 | 47.2 | 50.4 | 53.4 | 56.5 | 57.9 | 59.4 | 59.2 | 61.9 | 61.8 | 59.0 | 52.4 | 44.0 | 36.5 | | |
| CONFIG JE-000 | 1250 | 40.2 | 46.0 | 48.9 | 52.7 | 54.8 | 56.1 | 57.8 | 57.7 | 59.7 | 60.4 | 56.4 | 51.3 | 41.9 | 33.8 | | |
| LOC EVENDALE | 1600 | 35.0 | 42.3 | 46.4 | 49.0 | 51.4 | 53.1 | 54.8 | 55.5 | 57.7 | 57.1 | 53.8 | 47.6 | 38.3 | 27.8 | | |
| DATE 05-13-75 | 2000 | 29.2 | 37.1 | 42.0 | 44.7 | 47.3 | 49.3 | 50.6 | 52.4 | 54.4 | 53.7 | 49.7 | 43.1 | 32.7 | 21.3 | | |
| RUN D&TFMODEL11A | 2500 | 21.3 | 30.8 | 35.9 | 40.0 | 42.5 | 43.4 | 45.5 | 47.0 | 49.0 | 47.7 | 44.3 | 36.9 | 26.1 | 12.0 | | |
| TAPE X11490 | 3150 | 10.4 | 22.9 | 28.4 | 33.8 | 35.0 | 36.8 | 38.5 | 40.7 | 41.6 | 40.5 | 35.7 | 28.5 | 16.4 | 6.1 | | |
| FAN TIP SPEED | 4000 | | 10.0 | 17.0 | 23.0 | 24.7 | 28.1 | 29.8 | 32.4 | 31.7 | 31.5 | 26.3 | 17.3 | 4.1 | | | |
| FT/SEC | 5000 | | 2.8 | 10.8 | 17.6 | 19.1 | 19.6 | 22.3 | 28.3 | 25.9 | 24.8 | 18.9 | 9.6 | | | | |
| | 6300 | | | | 8.7 | 8.9 | 10.8 | 11.7 | 21.3 | 15.9 | 16.0 | 8.8 | | | | | |
| | 8000 | | | | | | | 0.7 | 11.4 | 4.8 | 4.1 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 64.6 | 67.6 | 70.7 | 72.6 | 74.4 | 76.4 | 77.9 | 78.9 | 81.1 | 83.1 | 82.6 | 82.6 | 78.8 | 75.7 | | |
| PNDB | | 65.3 | 69.0 | 72.8 | 74.9 | 77.2 | 78.9 | 80.9 | 82.1 | 84.0 | 85.3 | 84.0 | 82.6 | 76.6 | 72.1 | | |

| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. |
| REV. ALPHA 12/73 | | FREQ. (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) |
| NO EGA | | 50 | 81.9 | 78.5 | 81.1 | 81.7 | 83.4 | 87.7 | 85.6 | 86.3 | 88.6 | 91.8 | 89.5 | 92.8 | 94.7 | 95.6 | | | | | 149.4 |
| RDG. NO. 0. | | 63 | 78.1 | 78.8 | 82.8 | 83.0 | 84.7 | 86.1 | 86.5 | 86.0 | 88.9 | 88.7 | 91.5 | 96.1 | 89.8 | 92.3 | | | | | 150.3 |
| RADIAL 320. FT. | | 80 | 82.1 | 82.2 | 82.2 | 80.2 | 83.2 | 83.3 | 84.4 | 85.9 | 88.2 | 90.7 | 96.5 | 101.6 | 98.2 | 101.8 | | | | | 154.0 |
| (90. M) | | 100 | 83.7 | 85.4 | 84.6 | 85.0 | 85.3 | 86.8 | 89.4 | 91.4 | 92.8 | 97.3 | 101.5 | 106.5 | 102.5 | 103.5 | | | | | 158.3 |
| VEHICLE JENOTS | | 125 | 84.3 | 83.4 | 86.8 | 84.4 | 84.5 | 87.7 | 88.9 | 90.6 | 96.1 | 101.1 | 101.7 | 97.2 | 101.1 | 95.2 | | | | | 156.3 |
| CONFIG JE-000 | | 160 | 84.5 | 86.2 | 88.1 | 90.0 | 88.7 | 90.2 | 92.2 | 93.4 | 97.4 | 98.6 | 99.3 | 98.5 | 96.4 | 94.4 | | | | | 155.4 |
| LOC EVENDALE | | 200 | 84.8 | 85.2 | 86.4 | 87.2 | 88.6 | 90.0 | 91.5 | 91.5 | 92.8 | 95.5 | 95.8 | 93.5 | 91.4 | 91.5 | | | | | 152.2 |
| DATE 05-13-75 | | 250 | 84.3 | 82.6 | 84.0 | 86.6 | 87.2 | 86.6 | 89.8 | 90.6 | 94.7 | 96.4 | 97.2 | 94.0 | 89.8 | 88.3 | | | | | 152.4 |
| RUN DJTFMODEL11A | | 315 | 84.0 | 82.8 | 86.0 | 85.4 | 86.8 | 87.7 | 89.3 | 91.6 | 93.0 | 96.6 | 94.7 | 90.4 | 90.1 | 86.7 | | | | | 151.6 |
| TAPE X11510 | | 400 | 81.8 | 82.9 | 84.3 | 84.2 | 85.1 | 85.3 | 87.9 | 89.6 | 92.3 | 94.8 | 93.9 | 90.6 | 88.1 | 86.6 | | | | | 150.3 |
| BAR 29.5 HG | | 500 | 79.2 | 79.9 | 82.0 | 82.8 | 83.9 | 86.8 | 87.3 | 88.4 | 91.8 | 93.1 | 91.0 | 86.0 | 84.5 | 82.3 | | | | | 148.7 |
| (99516. N/M2) | | 630 | 80.0 | 80.2 | 81.1 | 82.1 | 83.3 | 83.8 | 86.1 | 88.0 | 91.0 | 93.5 | 91.9 | 87.1 | 84.2 | 82.6 | | | | | 148.6 |
| TA'ID 68. DEG F | | 800 | 78.3 | 80.1 | 81.3 | 82.4 | 82.9 | 83.7 | 85.7 | 86.4 | 89.6 | 91.4 | 91.4 | 86.7 | 83.3 | 81.6 | | | | | 147.6 |
| (293. DEG K) | | 1000 | 77.6 | 79.6 | 80.6 | 81.8 | 82.6 | 83.9 | 85.1 | 85.3 | 88.8 | 91.0 | 90.2 | 87.1 | 83.7 | 82.7 | | | | | 147.1 |
| TWFT 57. DEG F | | 1250 | 78.1 | 81.8 | 82.3 | 83.3 | 83.5 | 85.2 | 84.0 | 84.9 | 88.5 | 90.5 | 90.0 | 87.3 | 83.8 | 82.9 | | | | | 147.1 |
| (287. DEG K) | | 1600 | 75.6 | 80.7 | 81.5 | 82.0 | 81.9 | 82.1 | 82.7 | 83.8 | 87.2 | 89.6 | 88.7 | 86.7 | 82.9 | 81.3 | | | | | 146.1 |
| HACT 8.91 GM/H3 | | 2000 | 72.7 | 79.2 | 79.7 | 80.8 | 79.8 | 79.7 | 80.8 | 82.3 | 85.9 | 87.3 | 86.9 | 84.2 | 81.0 | 79.8 | | | | | 144.5 |
| (.00891 KG/H3) | | 2500 | 69.8 | 75.6 | 76.8 | 78.1 | 77.4 | 76.8 | 77.9 | 79.5 | 83.3 | 84.3 | 84.0 | 81.2 | 78.3 | 78.6 | | | | | 141.9 |
| FREQ. SHIFT | | 3150 | 66.4 | 73.3 | 74.3 | 75.7 | 74.4 | 74.2 | 74.8 | 76.1 | 80.1 | 81.6 | 80.6 | 78.3 | 75.6 | 78.8 | | | | | 139.5 |
| JET 9 | | 4000 | 62.1 | 69.2 | 70.2 | 71.6 | 70.2 | 70.5 | 71.6 | 73.0 | 75.4 | 81.6 | 77.3 | 74.6 | 73.4 | 75.3 | | | | | 137.7 |
| DIAMETER RATIO | | 5000 | 58.9 | 66.9 | 68.1 | 69.4 | 67.2 | 66.3 | 67.2 | 68.9 | 71.8 | 75.6 | 74.3 | 71.7 | 71.6 | 78.6 | | | | | 134.6 |
| DF/DH 8.00 | | 6300 | 57.1 | 65.3 | 65.6 | 69.1 | 65.3 | 64.8 | 66.1 | 67.3 | 67.3 | 76.5 | 75.2 | 72.4 | 73.0 | 75.4 | | | | | 135.3 |
| OVERALL CALCULATED | | 8000 | 57.7 | 65.2 | 66.0 | 70.3 | 66.1 | 65.8 | 66.8 | 68.4 | 66.1 | 80.2 | 77.3 | 75.0 | 75.4 | 77.8 | | | | | 139.7 |
| PNDB | | 10000 | 58.6 | 65.4 | 66.5 | 70.7 | 67.7 | 67.8 | 69.2 | 70.4 | 67.0 | 81.0 | 78.6 | 77.6 | 77.8 | 79.0 | | | | | 143.7 |
| | | | 94.1 | 94.8 | 96.3 | 97.0 | 97.4 | 98.7 | 100.2 | 101.4 | 104.6 | 107.4 | 108.2 | 109.4 | 107.1 | 107.8 | | | | | 164.7 |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | | |
| SPL INPUT AT STD | | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| REV. ALPHA 12/73 | FREQ. | (0.52) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | 50 | 58.1 | 56.9 | 61.0 | 62.7 | 65.2 | 69.9 | 67.9 | 68.5 | 70.3 | 72.9 | 69.5 | 71.2 | 70.9 | 68.3 | | | |
| NO FGA | 63 | 54.1 | 57.2 | 62.7 | 64.0 | 66.5 | 68.3 | 68.8 | 68.1 | 70.7 | 69.7 | 71.4 | 74.5 | 65.9 | 71.9 | | | |
| SIDELINE 240). FT. | 80 | 58.0 | 60.5 | 62.1 | 61.2 | 64.9 | 65.4 | 66.6 | 68.0 | 69.9 | 71.7 | 76.3 | 79.8 | 74.1 | 74.2 | | | |
| (731.52 M) | 100 | 59.5 | 63.6 | 64.4 | 65.9 | 66.9 | 68.8 | 71.6 | 73.4 | 74.4 | 78.1 | 81.2 | 84.7 | 78.3 | 75.7 | | | |
| NFA 1. RPM | 125 | 60.0 | 61.4 | 66.4 | 65.3 | 66.1 | 69.7 | 71.0 | 72.6 | 77.7 | 81.9 | 81.4 | 75.2 | 76.8 | 68.1 | | | |
| (0. RAD/SEC) | 160 | 59.9 | 64.1 | 67.6 | 70.7 | 70.2 | 72.1 | 74.2 | 75.3 | 78.9 | 79.3 | 78.9 | 76.4 | 71.9 | 66.1 | | | |
| NFA 1. RPM | 200 | 60.0 | 62.9 | 65.8 | 67.8 | 69.9 | 71.7 | 73.4 | 73.2 | 74.2 | 76.0 | 75.2 | 71.1 | 66.6 | 62.7 | | | |
| (0. RAD/SEC) | 250 | 59.2 | 60.0 | 63.2 | 67.0 | 68.4 | 68.2 | 71.5 | 72.2 | 75.9 | 76.7 | 76.3 | 71.4 | 64.7 | 58.8 | | | |
| NFD 1. RPM | 315 | 58.5 | 59.9 | 64.9 | 65.6 | 67.8 | 69.1 | 70.9 | 73.0 | 74.0 | 76.7 | 73.6 | 67.5 | 64.6 | 56.9 | | | |
| (0. RAD/SEC) | 400 | 55.7 | 59.6 | 62.8 | 64.0 | 65.7 | 66.5 | 69.2 | 70.8 | 73.0 | 74.7 | 72.5 | 67.3 | 61.9 | 55.9 | | | |
| AIRFLOW RATIO | 500 | 52.4 | 56.1 | 60.1 | 62.3 | 64.2 | 67.6 | 68.2 | 69.3 | 72.1 | 72.6 | 69.2 | 62.2 | 57.8 | 50.6 | | | |
| WF/WM 0.00 | 630 | 52.3 | 55.8 | 58.7 | 61.1 | 63.2 | 64.2 | 66.7 | 68.4 | 71.0 | 72.5 | 69.5 | 62.6 | 56.6 | 49.6 | | | |
| | 800 | 49.5 | 54.7 | 58.2 | 60.7 | 62.2 | 63.6 | 65.8 | 66.3 | 68.9 | 69.8 | 68.3 | 61.4 | 54.6 | 46.9 | | | |
| VEHICLE JENOTS | 1000 | 47.5 | 53.2 | 56.7 | 59.5 | 61.3 | 63.2 | 64.5 | 64.5 | 67.5 | 68.6 | 66.3 | 60.7 | 53.6 | 46.1 | | | |
| CONFIG JE-000 | 1250 | 46.3 | 54.1 | 57.3 | 60.1 | 61.4 | 61.7 | 62.6 | 63.3 | 66.3 | 67.2 | 64.9 | 59.7 | 52.0 | 43.7 | | | |
| LOC EVENDALE | 1600 | 41.4 | 51.2 | 55.0 | 57.4 | 58.5 | 59.4 | 60.2 | 61.1 | 63.8 | 65.0 | 62.2 | 57.2 | 48.7 | 38.5 | | | |
| DATE 05-15-75 | 2000 | 35.6 | 47.5 | 51.4 | 54.6 | 55.0 | 55.7 | 57.0 | 58.3 | 61.0 | 61.1 | 58.6 | 52.5 | 43.9 | 32.7 | | | |
| RUN DBTFMODEL11A | 2500 | 28.5 | 40.7 | 45.8 | 49.6 | 50.5 | 50.8 | 52.2 | 53.4 | 56.4 | 55.8 | 53.0 | 46.3 | 37.0 | 25.2 | | | |
| TAPE X11510 | 3150 | 18.3 | 33.3 | 39.1 | 43.5 | 44.1 | 44.9 | 45.9 | 46.9 | 49.8 | 49.5 | 45.4 | 38.2 | 27.6 | 15.3 | | | |
| FAN TIP SPEED | 4000 | 4.0 | 21.4 | 28.6 | 34.0 | 34.9 | 36.5 | 38.0 | 39.0 | 40.1 | 43.9 | 35.7 | 26.9 | 15.3 | | | | |
| FT/SEC | 5000 | | 14.7 | 22.9 | 28.5 | 29.0 | 29.5 | 31.0 | 32.1 | 33.5 | 34.7 | 29.0 | 19.5 | 7.6 | | | | |
| | 6300 | | 0.0 | 9.5 | 18.8 | 18.5 | 19.9 | 21.8 | 22.4 | 20.5 | 26.1 | 19.2 | 7.1 | | | | | |
| | 8000 | | | | 5.5 | 6.1 | 8.5 | 10.3 | 11.0 | 6.1 | 15.5 | 4.7 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 69.0 | 71.7 | 75.1 | 76.9 | 78.2 | 80.1 | 81.8 | 82.8 | 85.5 | 87.6 | 87.5 | 87.4 | 82.7 | 80.9 | | | |
| PND8 | | 69.9 | 74.3 | 78.2 | 80.5 | 81.9 | 83.6 | 85.3 | 86.5 | 89.0 | 90.7 | 89.6 | 88.0 | 81.8 | 77.1 | | | |

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